This printed version of the Schedule of Classes is current as of 9/2/15 9:05 AM.

AASP African American Studies Summer 2015

AASP100 **Introduction to African American Studies**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

0201	Jason Nichols **Meets July 13, 2015 - August 23, 2015** TuWTh 10:00am - 12:15pm	Seats (Total: 20) LEF 1201
WB11	Jason Nichols **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 35) ONLINE
XA21	Jason Nichols **Meets July 13, 2015 - August 23, 2015** TuWTh 10:00am - 12:15pm	Seats (Total: 0) LEF 1201

AASP101 **Public Policy and the Black Community**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS

Formerly: AASP300.

The impact of public policies on the black community and the role of the policy process in affecting the social, economic and political well-being of minorities. Particular attention given to the post-1960 to present era.

0101	Jonathan England **Meets June 1, 2015 - July 12, 2015** TuWTh 12:30pm - 2:50pm	Seats (Total: 35) TYD 2110

AASP202 **Black Culture in the United States**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SH, D	General Education: DSHS, DVUP

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

WB11	Robert Choflet **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB21	Robert Choflet **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

AASP314 **The Civil Rights Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: AASP100 or HIST157.

Survey of the twentieth century civil rights movement from the desegregation of UM Law School through the National Black Political Congress in Gary in 1972. Major themes include leadership, legal and constitutional challenges, non-violence, Black Power, and Pan-Africanism.

WB11	David Terry **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 35) ONLINE

AASP398P **Selected Topics in the African Diaspora; Peoples and Culture of Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of the historical experiences and cultures of Africans in the diaspora.

Contact department for information to register for this course.

AASP498I **Special Topics in Black Culture; Women and the Civil Rights Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Also offered as HIST360 and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

AASP498M **Special Topics in Black Culture; Black Masculinity in Mass Media: How Blackness has formed (and Re-formed) in U.S. Entertainment Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

WB11	Shane Walsh	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE
	The goal of this class is to present to new students how entertainment and media product creation throughout the 19th and 20th centuries have directly shaped the forms of leisure activity that they enjoy today. Thedepictions of Blackness and masculinity in movies and television are in key focus for this course.	

AASP498R **Special Topics in Black Culture; Race and Sports**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

A web-based class which uses print media and film to investigate the relationship between two issues that play a large rolein American society--race and sports. All lectures, readings and assignments will be available via Blackboard. If there are questions, please contact the instructor at jenglan1@umd.edu.

WB21	Jonathan England	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

AASP498Z **Special Topics in Black Culture; Black Women in Popular Culture: From the Blues to Beyonce'**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Students will develop a broad understand of African American women in popular culture through the study of a variety of cultural forms such asliterary texts, films, documentaries, visual art and novels. Students will develop an understanding of the connections between African American womens cultural forms and the historical contexts our of which these cultural traditions arose.

WB21	Renina Jarmon	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

AASP499F **Advanced Topics in Public Policy and the Black Community; Black Politics and Policy: A Multimedia Approach**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

This is an online course that uses media (films like 12 Years a Slave, Boyz N the Hood and Do the Right Thing and documentaries) and primary documents to investigate African-American politics in thepost-Civil Rights Era and policy issues such as education, the prison industrial complex and welfare. Please contact the instructor at jenglan1@umd.edu for more information.

WB41	Jonathan England	Seats (Total: 50)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

AAST Asian American Studies Summer 2015

AAST233 **Introduction to Asian American Literature**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: HL, D

General Education: DSHU, DVUP

Also offered as: ENGL233. Credit only granted for: ENGL233 or AAST233.

A survey of Asian American literature with an emphasis on recurrent themes and historical context.

WB21	William Gonch	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

AMSC Applied Mathematics & Scientific Computation Summer 2015

AMSC498A **Selected Topics in Applied Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Topics in applied mathematics of special interest to advanced undergraduate students.

Contact department for information to register for this course.

AMSC689 **Research Interactions in Applied Mathematics and Scientific Computation**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

AMSC698A **Advanced Topics in Applied Mathematics**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

AMSC760 **Applied Statistics Practicum**

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed one year of graduate study in Applied Statistics. Restriction: Must have project proposal approved by SAC coordinator.

A semester long applied applied statistical project (a minimum 10 hours per week or 120 hours in total), in an internship of collaborative research-laboratory setting working on a substantive applied quantitative project with significant statistical content.

0201	Partha Lahiri	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

AMSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST American Studies Summer 2015

AMST101 **Introduction American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO, D General Education: DSHU, DVUP

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

0201	Michael Casiano **Meets July 13, 2015 - August 23, 2015** TuWTh 9:00am - 11:15am	Seats (Total: 15) ASY 3215
WB11	A Anthony **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE
XA21	Michael Casiano **Meets July 13, 2015 - August 23, 2015** TuWTh 9:00am - 11:15am	Seats (Total: 0) ASY 3215

AMST203 **Popular Culture in America**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HO	General Education: DSHU, DVUP

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

WB11	Tatiana Benjamin **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB21	Ashley Glacel **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 32) ONLINE

AMST205 **Material Aspects of American Life**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HA	General Education: DSHU, DVUP

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

WB21	Patricia Akinbola **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE

AMST269I **Special Topics in Study Abroad II; Images of Italian Americans in Film**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit		

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

AMST298Y **Selected Topics in American Studies; Lived Existence: Perspectives in Native American Identity (Brazil)**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit		

Cultural study of a specific theme or issue involving artifacts and documents from both past and contemporary American experience.

Contact department for information to register for this course.

AMST328G **Perspectives on Identity and Culture; From Emmett Till to Trayvon Martin: Childhood and the Politics of Safety in America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

WB11	Stephanie Stevenson	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

AMST328Z **Perspectives on Identity and Culture; Violence, Prisons, and Immigration in the 21st Century U.S.**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Analysis of the cultural aspect of identity formation and the role of individual or community identities in cultural production. Examination of cultural texts such as film, literature, fashion, artifacts, archival records, architecture, monuments, sports, and paintings.

Also offered as IMMR319C and USLT498O. Credit will be granted for AMST 328Z, IMMR319C or USLT498O.

WB21	Cristina Perez	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

AMST386 **Experiential Learning**

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-American Studies department; and junior standing or higher.

I201	Jo Paoletti	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

AMST429O **Perspectives on Popular Culture; Perspectives on Popular Culture: From Chiquita to Cholas, Latin Lovers to Lowriders:Fashioning Latinidad in the U.S.**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics in popular culture studies, including the examination of particular genres, themes, and issues.

WB11	Ellen Griff	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

AMST498F **Special Topics in American Studies; Salzburg Seminar: Global Media Literacy**

Credits: 3 Grading Method: Regular

Topics of special interest.

Contact department for information to register for this course.

AMST899 **Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH Anthropology Summer 2015

ANTH221 **Introduction to Forensic Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit, Sat-Fail General Education: DSSP

Credit only granted for: ANTH298A or ANTH221. Formerly: ANTH298A.

Provides a brief history of forensic sciences, an introduction to some of the techniques used, and a demonstration of some of the applications of forensic sciences. A survey course designed to give the student some exposure to the kinds of scientific knowledge and techniques applied to the medico-legal investigation of death and other crimes.

YS41	Marilyn London	Seats (Total: 25)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:00pm	KEY 0120
	This section is part of The Young Scholars Program. Enrollment by permission only.	

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL, DVUP

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

0101	Nawa Sugiyama	Seats (Total: 22)	
	Meets June 1, 2015 - July 12, 2015		
	MW 2:00pm - 5:30pm	WDS 0104	
	TuTh 2:00pm - 4:30pm	WDS 0124C	Lab

ANTH240 **Introduction to Archaeology**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

WB11	Anne Garland	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB, D	General Education: DSHS, DVUP

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

WB11	Michael Buonanno	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ANTH263 **Sexuality and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	General Education: DSHS, DVUP

Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.

An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

WB21	Elijah Edelman	Seats (Total: 25)
	Meets July 13, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE

ANTH266 **Changing Climate, Changing Cultures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC, SCIS

Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

FF61	Elizabeth Van Dolah	Seats (Total: 15)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 11:45am	WDS 1130
	Class time/details on ELMs	ONLINE
	Restricted to students in Freshmen First. This is a hybrid section that meets face-to-face and has an online component.	
HY61	Elizabeth Van Dolah	Seats (Total: 10)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 11:45am	WDS 1130
	Class time/details on ELMs	ONLINE
	This is a hybrid section that meets face-to-face and has an online component. To register for this course after July 17, 2015, email summer@umd.edu .	
WB51	Katherine Johnson	Seats (Total: 24)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

ANTH298N **Special Topics in Anthropology; Lived Existence: Perspectives in Native American Identity (Brazil)**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Anthropological perspectives on selected topics of broad general interest.

Contact department for information to register for this course.

ANTH298O **Special Topics in Anthropology; Lived Existence: Perspectives in Native American Identity (brazil)**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Anthropological perspectives on selected topics of broad general interest.

Contact department for information to register for this course.

ANTH386 **Experiential Learning**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Approval of instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH398A **Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Approval of Instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH398J **Independent Study; Archaeology Practicum**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH428W **Special Topics in Bioanthropology; Primate Social Behavior**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Advanced research courses in biological anthropology on changing topics that correspond to new theoretical interests, faculty research interests, or the specialties of visiting scholars. Prerequisites or background knowledge vary with the topic. Check with the department for requirements.

WB21	Mark Zajac	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ANTH445 **Laboratory Methods in Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH496. Recommended: ANTH240.

The processing, curation, cataloging and analysis of data is an important part of any archaeology field project. Students will learn that basics of laboratory techniques necessary for the final analysis and interpretation of field data.

0401	Mark Leone	Seats (Total: 20)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 5:00pm	WDS 1124	Lab
	This lab section will work with finds from the Annapolis field school led by Leone, Deeley, Pruitt and Skolnik.		
0403	Paul Shackel	Seats (Total: 20)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 5:00pm	WDS 1125	Lab
	This lab section will work with finds from the Lattimer Field School le by Shackel.		

ANTH468P **Special Topics in Cultural Anthropology; Anthropology, War & Security**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Advanced courses in varying specialty areas of cultural anthropology that respond to new theoretical developments, faculty research interests, or specialties of visiting scholars.

WB11	Katherine Izsak	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs	ONLINE	

ANTH469C **Advanced Special Topics in Cultural Anthropology; Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Upper level cultural anthropology courses on varying topics derived fro new interests of the faculty or the specialties of visiting scholars.

Also offered as ANTH689C. Credit granted for ANTH489C or ANTH689C.

WB31	Jacqueline Messing	Seats (Total: 30)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

ANTH496 **Field Methods in Archaeology**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Field training in the techniques of archaeological survey and excavation.

Also offered as ANTH696 and SUMM015.

XI01	Mark Leone	Seats (Total: 24)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	Click here for more course information.	
XI03	Paul Shackel	Seats (Total: 6)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 8:00am - 4:00pm	Location: TBA
	Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.	

ANTH498C **Advanced Field Training in Ethnography; Brazil: Environmental Conservation & Indigenous Peoples**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498J **Advanced Field Training in Ethnography; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6 | Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498M **Advanced Field Training in Ethnography; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498W **Advanced Field Training in Ethnography; Jamaica: Connections, Celebration and Identity**

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Contact department for information to register for this course.

ANTH498Y **Advanced Field Training in Ethnography; Field Methods in Public Archaeology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Experience in field research utilizing a variety of ethnographic method of inquiry.

Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.

XI33	Paul Shackel **Meets June 1, 2015 - June 19, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 15) Location: TBA
XI53	Paul Shackel **Meets June 22, 2015 - July 10, 2015** MTuWThF 8:00am - 4:00pm *To register for this section after June 5, 2015, e-mail summer@umd.edu.*	Seats (Total: 5) Location: TBA

ANTH688A **Current Developments in Anthropology**

Credits: 3

Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Contact department for information to register for this course.

ANTH688Y **Current Developments in Anthropology; Field Methods in Public Archaeology**

Credits: 3

Grading Method: Regular, Audit

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for local housing options.

XI33	Paul Shackel **Meets June 1, 2015 - June 19, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 15) Location: TBA
XI53	Paul Shackel **Meets June 22, 2015 - July 10, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 5) Location: TBA

ANTH689A **Special Problems in Anthropology**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Approval of instructor required; check with Department for section (and index) number.

Contact department for information to register for this course.

ANTH689C **Special Problems in Anthropology; Language and Culture**

Credits: 3 Grading Method: Regular, Sat-Fail

Also offered as ANTH469C. Credit granted for ANTH489C or ANTH689C.

WB31	Jacqueline Messing **Meets June 1, 2015 - June 19, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE

ANTH689M **Special Problems in Anthropology; Suriname: Ethnographic Fieldwork-National Celebration, Integration and Identity**

Credits: 3 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH696 **Field Methods in Archaeology**

Credits: 6 Grading Method: Regular, Audit

Formerly: ANTH699.

Field training in the techniques of archaeological survey and excavation.

Also offered as ANTH496 and SUMM015.

XI01	Mark Leone **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 24) Location: TBA
XI03	Paul Shackel **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 4:00pm *Excavation site will be near Lattimer, Pennsylvania. Students are responsible for their own transportation. Contact instructor for loca housing options.*	Seats (Total: 6) Location: TBA

ANTH698C **Advanced Field Training in Ethnology; Brazil: Ethnographic Fieldwork**

Credits: 6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH698J **Advanced Field Training in Ethnology; Jamaica: Ethnographic Fieldwork/Ethnographic Assessment and Expressive Culture**

Credits: 6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH698W **Advanced Field Training in Ethnology; Jamaica: Connections, Celebration and Identity**

Credits: 6 Grading Method: Regular, Audit

Experience in field research utilizing a variety of enthnographic methods of inquiry.

Contact department for information to register for this course.

ANTH701 **Anthropology Internship Preparation**

Credits: 3 Grading Method: Regular, Audit

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

I112	Paul Shackel	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

ANTH788 **Internship Research**

Credits: 1-3 Grading Method: Regular, Audit

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Summer 2015

AOSC499 **Special Problems in Atmospheric Science**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study in the field of meteorology and the atmospheric and oceanic sciences.

0206	Ning Zeng **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)

AOSC658L **Special Topics in Meteorology**

Credits: 1-3 Grading Method: Regular, Audit

Various special topics in meteorology are given intensive study. The topic of concentration varies, from semester to semester and depends on student and faculty interests. Often, specialists from other institutions are invited to the campus on a visiting lectureship basis to conduct the course.

0201	Xin-Zhong Liang **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0225	Xin-Zhong Liang **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

AOSC798 **Directed Graduate Research**

Credits: 1-3 Grading Method: Sat-Fail

0101	James Carton **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0103	Raghu Murtugudde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0104	Raghu Murtugudde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0105	Antonio Busalacchi **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0126	Da-Lin Zhang **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0203	Raghu Murtugudde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0204	Raghu Murtugudde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Kenneth Pickering **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0207	Zhanqing Li **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0208	Dale Allen **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0221	Ernesto Berbery **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0225	Xin-Zhong Liang **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

AOSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ARAB Arabic Summer 2015

ARAB104 **Elementary Modern Standard Arabic I-II**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

An intensive course focusing on developing functional proficiency in th standard Arabic language, both written and formal spoken. Begins with script and phonology, and develops into a limited range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Ahmed Hanafy	Seats (Total: 15)
	Meets June 1, 2015 - July 2, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1119

ARAB105 **Elementary Modern Standard Arabic III-IV**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB104; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB104, developing further linguistic proficiency in Standard Arabic, both written and formal spoken. Covers an extended range of situation-based texts and topics that build vocabulary, grammar, general communicative competence and cultural awareness.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Ahmed Hanafy	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1119

ARAB204 **Intermediate Modern Standard Arabic I**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

CORE: HO

Prerequisite: ARAB105; and must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Covers topics related to contemporary Arabic society, literature and culture in standard written and formal spoken Arabic. Acquisition of more complex grammatical structures, expanding vocabulary, and reading, to develop a better understanding of the formal aspects of using MSA.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Muna Rehman	Seats (Total: 15)
	Meets June 1, 2015 - July 2, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1121

ARAB205 **Intermediate Modern Standard Arabic II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ARAB204; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a fluent/native speaker of Arabic.

Continuation of ARAB204, with exposure to a wide range of Arabic texts from different domains. Focus on vocabulary, more complex grammatical forms, and a better understanding of the formal aspects of using MSA as well as the cultural aspects of using the language.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Muna Rehman	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1121

ARAB315 **Intensive Advanced Arabic I**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB205; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB304.

Intensive training in written and spoken Arabic at the Advanced-low level of proficiency. Additional intensive training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Nahla Elsenousy Gaber	Seats (Total: 15)
	Meets June 1, 2015 - July 2, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1111

ARAB316 **Intensive Advanced Arabic II**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARAB304 or ARAB315; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not have completed ARAB305. Credit only granted for: ARAB305 or ARAB316.

Intensive training in written and spoken Arabic at the Advanced-mid level of proficiency. Additional training in effective listening and reading skills. Substantial cultural component exploring traditions and customs of the Middle East in addition to current social issues.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Nahla Elsenousy Gaber	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1111

ARCH Architecture Summer 2015

ARCH150 **Discovering Architecture: A Career Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

Introduction to architecture and design studio education. The course examines fundamental design principles and skills related to architecture. The design studio projects apply ideas and concepts introduced in lectures, readings and on site visits. The design studio projects are both analytic and synthetic in nature. The explicit goals of the course are: To explore the discipline of architecture; To promote visual thinking and representational skills; To develop analytic design thinking skills; To learn some of the conventions of architectural representation; To enhance cultural awareness of architecture and design.

Students learn about careers in architecture, landscape architecture and urban planning. Architecture faculty teach basic design principles that students use to complete their own design project in a design studio environment.

YS41	Michael Ambrose	Seats (Total: 64)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:30am - 4:30pm	ARC 0204
	This section is part of The Young Scholars Program. Enrollment by permission only.	

ARCH223 **History of Non-Western Architecture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D

Survey of non-western architectural history, including prehistoric and vernacular; ancient civilizations and the Indus valley; the Islamic world; Hindu and Buddhist traditions of Asia; and pre-European Africa and the Americas.

0201	Robert Vann	Seats (Total: 15)
	Meets July 13, 2015 - August 23, 2015	
	MW 5:30pm - 10:00pm	ARC 1101

ARCH386 **Experiential Learning**

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Restriction: Must have learning proposal approved by faculty sponsor and student's internship sponsor; and sophomore standing or higher; and permission of ARCH-Architecture Program.

Learning experience tied to internship of specified duration with targeted learning outcomes.

WB11	Michael Brick	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE
WB21	Michael Brick	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ARCH428G **Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH428P **Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH428Q **Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH428T **Selected Topics in Architectural History; History of the Turkish Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH428V **Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH428Y **Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH429A **Independent Studies in Architectural History; Ancient Turkish Water Systems**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Proposed work must have faculty sponsor and receive approval of the Curriculum Committee.

Contact department for information to register for this course.

ARCH448D **Selected Topics in Visual Studies for Architects; Drawing and Visualization**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected Topics in Visual Studies in Architecture

0101	Lester Escobal	Seats (Total: 15)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 7:00pm - 8:00pm	ARC 1101	
	TuTh 8:00pm - 10:40pm	ARC 1101	Lab

ARCH449 **Independent Studies in Visual Studies for Architects**

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Proposed work must have a faculty sponsor and receive approval of the Architecture Program Curriculum Committee.

Contact department for information to register for this course.

ARCH470 **Computer Applications in Architecture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARCH400; or permission of ARCH-Architecture Program. Restriction: Must be in Architecture (B.S.) program.

Introduction to computer utilization, with emphasis on architectural applications.

0101	Irini Zhupa, Brent White	Seats (Total: 15)
	Meets June 1, 2015 - July 12, 2015	
	MW 6:00pm - 9:30pm	ARC 1115

ARCH478F **Selected Topics in Architecture; Building Scandanavia: Craft and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARCH478G **Selected Topics in Architecture; Japan: Examining Spatial Constructs Through Literature and Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARCH478R **Selected Topics in Architecture; Architectural Drawings II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARCH478V **Selected Topics in Architecture; Italy: Summer Architecture Program in Rome/Visual Analysis: The Building and the City**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARCH478Z **Selected Topics in Architecture; Scandinavia: Culture and Place**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARCH483 **Field Archaeology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ARCH-Architecture Program.

Participation in field archaeology with an excavation officially recognized by proper authorities of local government.

Contact department for information to register for this course.

ARCH628G **Selected Topics in Architectural History; Greek and Roman Cities of Southern Turkey**

Credits: 3 Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH628P **Selected Topics in Architectural History; Domestic Architecture in Pompeii**

Credits: 3

Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH628Q **Selected Topics in Architectural History; Italy: Archaeological Investigations in the Vesuvian Region**

Credits: 1

Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH628T **Selected Topics in Architectural History; History of the Turkish Architecture**

Credits: 3

Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH628V **Selected Topics in Architectural History; In the Shadow of Vesuvius: Architectural Recording for Archaeology: Italy**

Credits: 3

Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH628Y **Selected Topics in Architectural History; Archaeological Investigations in Roman Turkey**

Credits: 3

Grading Method: Regular, Audit

Special topics in the history of architecture.

Contact department for information to register for this course.

ARCH678F **Selected Topics in Architecture; Building Scandanavia: Craft and Culture**

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

ARCH678K **Selected Topics in Architecture; Scandinavia: Culture and Place**

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

ARCH678R **Selected Topics in Architecture; Drawing II: Architectural Representation**

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

ARCH678V **Selected Topics in Architecture; Italy: Summer Architecture Program in Rome/Visual Analysis: The Building and the City**

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

AREC Agricultural and Resource Economics — Summer 2015

AREC386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Agricultural & Resource Economics department. Restriction: Junior standing or higher.

0101	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0115	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0116	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0119	Dale Johnson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0123	James Hanson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0215	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0216	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0223	James Hanson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

AREC399 **Special Problems**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Concentrated reading and study in some phase of a problem in agricultural and/or natural resource economics.

0101	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)

0115	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0201	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

AREC699 **Special Problems in Agricultural and Resource Economics**

Credits: 1-2 Grading Method: Regular, Audit

Intensive study and analysis of specific problems in the field of agricultural and resource economics, providing in-depth information in areas of special interest to the student.

0101	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0102	Loretta Lynch **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0106	Kenneth McConnell **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)

0111	Richard Just **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0113	Erik Lichtenberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0115	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0120	Anna Alberini **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0122	Roberton Williams **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0126	Kenneth Leonard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0151	Pamela Jakiela **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0152	Sebastien Houde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0154	Jorge Holzer Bilbao **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0158	Stephen Salant **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0202	Loretta Lynch **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0206	Kenneth McConnell **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0223	James Hanson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0230	David Newburn **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

0252	Sebastien Houde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0256	Snaebjorn Gunnsteinsson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0258	Stephen Salant **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

AREC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

0101	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0102	Loretta Lynch **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0106	Kenneth McConnell **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0111	Richard Just **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)

0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0113	Erik Lichtenberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0115	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0120	Anna Alberini **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0122	Roberton Williams **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0126	Kenneth Leonard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0151	Pamela Jakiela **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)

0152	Sebastien Houde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0154	Jorge Holzer Bilbao **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0156	Snaebjorn Gunnsteinsson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0202	Loretta Lynch **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0206	Kenneth McConnell **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0215	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

0216	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0223	James Hanson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0230	David Newburn **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0251	Pamela Jakiela **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0254	Jorge Holzer Bilbao **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0256	Snaebjorn Gunnsteinsson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

AREC898 Pre-Candidacy Research

(Perm req) Credits: 1-8 Grading Method: Regular, Sat-Fail

0104	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0105	Richard Just **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0130	David Newburn **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0135	Erik Lichtenberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0137	Anna Alberini **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0138	Kenneth Leonard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0140	Loretta Lynch **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0141	Kenneth McConnell **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0143	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)

0144	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0145	Maureen Cropper **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0146	Douglas Lipton **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0148	James Hanson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0150	Roberton Williams **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0151	Pamela Jakiela **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0152	Sebastien Houde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0154	Jorge Holzer Bilbao **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0158	Stephen Salant **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0204	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0205	Richard Just **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0230	David Newburn **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0235	Erik Lichtenberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0237	Anna Alberini **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0238	Kenneth Leonard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0240	Loretta Lynch **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0241	Kenneth McConnell **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)

0243	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0244	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0245	Maureen Cropper **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0246	Douglas Lipton **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0247	Charles Towe **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0248	James Hanson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0250	Roberton Williams **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0252	Sebastien Houde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0256	Snaebjorn Gunnsteinsson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0258	Stephen Salant **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

AREC899 Doctoral Dissertation Research

Credits: 1-8 Grading Method: Regular

0101	Robert Chambers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0102	Loretta Lynch **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0106	Kenneth McConnell **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0111	Richard Just **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0112	Howard Leathers **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0113	Erik Lichtenberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)

0115	Lars Olson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0116	Marc Nerlove **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0120	Anna Alberini **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0122	Roberton Williams **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0123	James Hanson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0126	Kenneth Leonard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0130	David Newburn **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0139	Maureen Cropper **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0151	Pamela Jakiela **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0152	Sebastien Houde **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0154	Jorge Holzer Bilbao **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0156	Snaebjorn Gunnsteinsson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0157	Mary Zaki **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0158	Stephen Salant **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Robert Chambers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0202	Loretta Lynch **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0206	Kenneth McConnell **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0211	Richard Just **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0212	Howard Leathers **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0213	Erik Lichtenberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

0215	Lars Olson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0216	Marc Nerlove **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0220	Anna Alberini **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0222	Roberton Williams **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0223	James Hanson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0226	Kenneth Leonard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0230	David Newburn **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0239	Maureen Cropper **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0240	Peter Cramton **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0251	Pamela Jakiela **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

0252	Sebastien Houde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0254	Jorge Holzer Bilbao **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0256	Snaebjorn Gunnsteinsson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0257	Mary Zaki **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0258	Stephen Salant **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

ARHU Arts and Humanities Summer 2015

ARHU269I **Special Topics in Study Abroad II; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU, DSSP

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU269V **Special Topics in Study Abroad II; Vienna and Budapest Field Study**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU286 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Minimum cumulative GPA of 2.5; and must be in a major in ARHU-College of Arts & Humanities; and must have earned a minimum of 12 credits.

Designed for ARHU students who wish to complete an internship in one of the academic fields covered within the College of Arts and Humanities. In addition to completing their required hours on site, students will be required to attend four weekly seminars at the beginning of the semester to help develop their para-professional goals and understandings.

0101	Paula Nadler	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	
I101	Paula Nadler	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ARHU298J **Special Problems in Arts and Humanities; Creative Writing Workshop**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students will read great poems and stories from across cultures and engage in related writing exercises. Students will share their own original writing in a supportive workshop setting, discover new approaches to revision.

YS41	Vivianne Salgado	Seats (Total: 28)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:30am - 12:30pm	QAN 1132
	This section is part of The Young Scholars Program. Enrollment by permission only.	

ARHU338 **Undergraduate Teaching Assistantship in the Writers' House**

(Perm req)

Credits: 3 Grading Method: Regular

Offers exceptional students the opportunity to work closely with a Writer's House faculty member and gain valuable experience. Writers' House UTAs also serve as peer mentors and program leaders. The TA assists with course planning, research, and student advising (as appropriate). Open to graduates of Writer's House notation program.

0201	Vivianne Salgado	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ARHU351 **James Joyce's Dublin: A multi-media Odyssey**

Credits: 3 | Grading Method: Regular, Sat-Fail | General Education: DSHU

Credit only granted for: ARHU369I, ARHU351, ENGL369L, or HONR349L. Formerly: ARHU369I.

Chapter by chapter analysis of the text with in situ tours to settings important to the book, and examination of the culture and circumstances from which it arose; review of the impact of Ulysses, and continuing controversies around the text. Multi-media explorations and creative projects will be included in course activities: collaborations on tumblr, and the use of such technologies as vine, instagram, twitter, etc., in an exploration of how our subjective experiences and the expressions they inspire are impacted by new technologies.

Contact department for information to register for this course.

ARHU386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail | General Education: DSSP

Prerequisite: Permission of ARHU-College of Arts & Humanities. Restriction: Junior standing or higher.

0101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
I101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

ARHU486 **Internship Practicum in Arts and Humanities**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Have completed previous internship at U of MD. Restriction: Must be in a major in ARHU-College of Arts & Humanities; and permission of ARHU-College of Arts & Humanities; and minimum cumulative GPA of 2.5; and must have earned a minimum of 60 credits; and completed 12 credits at U of MD.

An internship intended for students who have already completed an internship for credit. ARHU486 must be a different experience from the internship students have already taken for credit. Generally students intern with a different company, but they may continue working for the same company if the job is significantly different. See ARHU internship coordinator for details.

0101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
I101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

ARHU489 **Advanced Internship Practicum in ARHU**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Designed for students who have already completed at least 2 upper level internship courses for academic credit. It is an advanced practicum to assist students in continuing to develop and hone their professional writing, presentation and analytical skills.

0101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
I101	Paula Nadler **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

ARTH Art History & Archaeology Summer 2015

ARTH169A **Special Topics in Study Abroad I; Roman Archaeology On-Site**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH169I **Special Topics in Study Abroad I; Art of Rome**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH201 **Art and Society in the West from the Renaissance to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

0101	Raino Isto	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 11:00am - 12:30pm	ASY 3203

ARTH269P **Special Topics in Study Abroad II; From Medieval to Contemporary: Exploring the Great Art and Architecture of Prague**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH269R **Special Topics in Study Abroad II; Art of Renaissance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH323 **Fifteenth-Century Italian Renaissance Art**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Painting, sculpture, architecture, and the decorative arts of the fifteenth century in Italy.

WB61	Nicole Riesenberger	Seats (Total: 30)
	Meets August 3, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE

ARTH359T **Film as Art; James Bond Film: The Ideology of Spectacle**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

0101	Greg Metcalf	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 6:00pm - 9:45pm	ASY 4213A

ARTH389B **Special Topics in Art History and Archaeology; The Art of Color: A Left and Right Brain Experience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This class is based on Color by Dr. Betty Edwards. Color theory can be more art than science. Discussing color theory, the psychology of color, doing color exercises and practice with acrylics make color accessible. This course examines how the colors used by Old Masters and Contemporary Artists shape the viewer's experience. The class will take a field trip to a local museum. No artistic experience is necessary.

0501	Beryl Bland	Seats (Total: 15)
	Meets June 22, 2015 - July 10, 2015	
	MTuWTh 4:00pm - 7:30pm	ASY 3217
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

ARTH498 **Directed Studies in Art History I**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH499 **Honors Thesis**

(Perm req)

Credits: 2-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH798 **Directed Graduate Studies in Art History**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ARTH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ARTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ARTH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ARTT Art Studio Summer 2015

ARTT110 **Elements of Drawing I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin **Meets June 1, 2015 - July 12, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 7) ASY 2317	Lab
0201	Robert Hackett **Meets July 13, 2015 - August 23, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 15) ASY 2317	Lab

ARTT150 **Introduction to Art Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

0301	Richard Klank **Meets June 1, 2015 - June 19, 2015** MTuWTh 7:00pm - 10:25pm	Seats (Total: 25) ASY 2203	

ARTT169P **Special Topics in Study Abroad I; Studio Art I: Drawing and Painting Italy**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT208W **Intermediate Special Topics in Art; Introduction to Watercolor and Water Based Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an intermediate studio level within the context of a special topic.

There is a special fee of $40.00 required for this course.

0301	Richard Klank	Seats (Total: 9)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 12:30pm - 6:45pm	ASY 2315	Lab

ARTT210 **Elements of Drawing II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT110.

Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin	Seats (Total: 7)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 9:00am - 12:15pm	ASY 2321	Lab
0201	Robert Hackett	Seats (Total: 8)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWTh 9:00am - 12:15pm	ASY 2317	Lab

ARTT255 **Introduction to Digital Art and Design Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.

Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.

Students must pay a $40.00 materials fee.

0301	Narendra Ratnapala	Seats (Total: 10)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWThF 9:00am - 3:15pm	ASY 3311E	

ARTT269I **Special Topics in Study Abroad II; Studio Art II: Drawing and Painting Italy**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT320 **Elements of Painting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes of oil and/or acrylic painting.

Material fee of $40.00.

0201	Aydin Hamami	Seats (Total: 8)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWTh 12:30pm - 3:45pm	ASY 3322	Lab

ARTT330 **Elements of Sculpture: Metal Casting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes related to metal casting.

Also offered as SUMM010. Students must pay a $40.00 materials fee.

0301	Steven Jones	Seats (Total: 7)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 2:00pm - 8:15pm	ASY 1310	Lab

ARTT333 **Elements of Sculpture: Wood and Mixed Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Sculptural concepts and fundamental processes using wood and mixed media.

Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 12)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 3:15pm - 6:30pm	ASY 1311	Lab

ARTT353 **Elements of Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Introduction to black-and-white photography. Basic technical and aesthetic vocabulary, camera mechanics and darkroom techniques. Introduction to the photographic message and meaning in both fine art and design concept.

Students must pay a $40.00 materials fee.

Contact department for information to register for this course.

ARTT369A **Special Topics in Study Abroad III; Focus: Introduction to Digital Photography as Fine Art**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369D **Special Topics in Study Abroad III; Design: London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369L **Special Topics in Study Abroad III; Writing with Light**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT369T **Special Topics in Study Abroad III; Travel Photography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of ARHU-Art department. Restriction: Junior standing or higher.

Contact department for information to register for this course.

ARTT409L **Study Abroad Special Topics IV; Design, Art and Culture: London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTT418 **Advanced Drawing Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee.

0101	Matthew McLaughlin **Meets June 1, 2015 - July 12, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 8) ASY 2321	Lab
0201	Robert Hackett **Meets July 13, 2015 - August 23, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 8) ASY 2317	Lab

ARTT418B **Advanced Drawing Studio; Focus on Watercolor Wash**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee.

0301	Richard Klank **Meets June 1, 2015 - June 19, 2015** MTuWTh 12:30pm - 6:45pm	Seats (Total: 18) ASY 2315	Lab

ARTT428 **Advanced Painting Studio; Advance Painting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

Material fee of $40.00.

0201	Aydin Hamami **Meets July 13, 2015 - August 23, 2015** MTuWTh 12:30pm - 3:45pm	Seats (Total: 5) ASY 3322	Lab

ARTT428A **Advanced Painting Studio; Water Color and Water Based Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level painting studio emphasizing advanced concepts and processes related to oil and acrylic painting; emphasis on contemporary art issues and individual directions in chosen media.

There is a special fee of $40.00 required for this course.

0301	Richard Klank	Seats (Total: 9)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 1:00pm - 6:00pm	ASY 2315

ARTT438D **Advanced Sculpture Studio; Wood and Mixed Media**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Multi-level sculpture studio; continuation of media-specific sculpture courses with emphasis on contemporary art issues and individual directions in chosen media.

Students must pay a $40.00 laboratory studio fee.

0101	Foon Sham	Seats (Total: 2)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 3:15pm - 6:30pm	ASY 1311	Lab

ARTT460 **Seminar in Art Theory**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing.

Exploration of relationship between content and processes of art in a contemporary multi-cultural context.

Contact department for information to register for this course.

ARTT468B **Seminar on the Interrelationship Between Art and Art Theory; Issues in Contemporary Art**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The relationship between a student's work and the theoretical context of contemporary art.

0301	Richard Klank	Seats (Total: 20)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 7:00pm - 10:25pm	ASY 2203

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

Students must pay a $40.00 materials fee. The primary focus of this course is an introduction to video production.Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production.

0301	Narendra Ratnapala	Seats (Total: 10)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 9:00am - 3:15pm	ASY 3311E	

ARTT489J **Advanced Special Topics in Art; Metal Casting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an advanced studio level within the context of a special topic.

Material fee of $40.00.

0301	Steven Jones	Seats (Total: 7)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 2:00pm - 8:15pm	ASY 1310	Lab

ARTT498A **Directed Studies in Studio Art**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

Students must pay a $40.00 materials fee.

Contact department for information to register for this course.

ARTT628 **Painting**

Credits: 3 Grading Method: Regular, Audit

Graduate painting for advanced special students.

There is a $60 lab fee for this course.

0301	Richard Klank	Seats (Total: 5)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 1:00pm - 6:00pm	ASY 2315	

ARTT698A **Directed Graduate Studies in Studio Art**

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 studio lab fee.

Contact department for information to register for this course.

ARTT698B **Directed Graduate Studies in Studio Art**

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Material fee of $60.00.

0205	Dawn Gavin	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ARTT698C **Directed Graduate Studies in Studio Art**

Credits: 1-4 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

Students must pay a $60.00 Materials fee.

0301	Steven Jones	Seats (Total: 3)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 2:00pm - 8:15pm	ASY 1310	Lab

ARTT698W **Directed Graduate Studies in Studio Art; Water Color and Water Based Media**

Credits: 3 Grading Method: Regular, Audit

Independent work. Meetings with faculty and studio time arranged.

There is a special fee of $60.00 required for this course.

0301	Richard Klank	Seats (Total: 5)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 1:00pm - 6:00pm	ASY 2315

ASTR Astronomy Summer 2015

ASTR100 **Introduction to Astronomy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Credit only granted for: ASTR100, ASTR101, or ASTR120.

An elementary course in descriptive astronomy, especially appropriate for non-science students. Topics include the Sun, Moon, planets, stars, and nebulae, galaxies, and evolution of the Universe.

0101	Holly Sheets	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 10:50am	CSS 2400
0201	James Hunt	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 9:30am - 10:50am	CSS 2400

ASTR101 **General Astronomy**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Credit only granted for: ASTR100, ASTR101, or ASTR120.

Descriptive astronomy, appropriate for non-science majors. Sun, moon, planets, stars, nebulae, galaxies and evolution. Laboratory exercises include use of photographic material, computer simulations, and standard laboratory equipment.

Students must pay a $50.00 Laboratory Materials fee.

0101	Holly Sheets	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 9:30am - 10:50am	CSS 2400	
	MTu 11:00am - 1:00pm	CSS 1109	Lab

0201	James Hunt	Seats (Total: 20)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 9:30am - 10:50am	CSS 2400	
	TuTh 11:00am - 1:00pm	CSS 1109	Lab

ASTR699 **Special Problems in Advanced Astronomy**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ASTR898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ASTR899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BCHM Biochemistry Summer 2015

BCHM461 **Biochemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461 or BCHM463.

First semester of a comprehensive introduction to modern biochemistry. Structure, chemical properties, and function of proteins and enzymes, carbohydrates, lipids, and nucleic acids. Basic enzyme kinetics and catalytic mechanisms.

0101	Jason Kahn	Seats (Total: 100)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 9:30am - 10:50am	CHM 1407	

BCHM462 **Biochemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BCHM461. Credit only granted for: BCHM462 or BCHM463.

A continuation of BCHM 461. Metabolic pathways and metabolic regulation energy transduction in biological systems, enzyme catalytic mechanisms.

0201	Douglas Julin	Seats (Total: 100)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 9:30am - 10:50am	CHM 1407

BCHM463 **Biochemistry of Physiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Minimum grade of C- in CHEM271 and CHEM272; or minimum grade of C- in CHEM276 and CHEM277. Credit only granted for: BCHM461, BCHM462 or BCHM463.

A one-semester introduction to general biochemistry. A study of protein structure, enzyme catalysis, metabolism, and metabolic regulation with respect to their relationship to physiology.

0201	Christiana Addei-Maanu	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 11:00am - 12:20pm	CHM 1402

BCHM699 **Special Problems in Biochemistry**

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment. Restricted to students in the non-thesis M.S. option.

Contact department for information to register for this course.

BCHM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

BCHM898 **Pre-Candidacy Research**

Credits: 1 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BCHM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

BEES Behavior, Ecology, Evolution and Systematics — Summer 2015

BEES799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BEES899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0200	Michele Dudash **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0210	Charles Fenster **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0230	Bill Fagan **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0260	Margaret Palmer **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

BIOE Bioengineering — Summer 2015

BIOE120 **Biology for Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Introduction to the functions and interactions of biological systems from a quantitative perspective. Introduction to the modern experimental techniques and methods of data analysis. Roles for bioengineers in biology, and the role of biology in bioengineering will be elucidated.

0101	Angela Jones	Seats (Total: 40)	
	Meets June 1, 2015 - July 12, 2015		
	MWF 1:00pm - 3:40pm	CHE 2136	

BIOE160 **Biopharmaceutical Production**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Fischell Department of Bioengineering department; and must be in the Young Scholars Program. Credit only granted for: BIOE168 or BIOE160. Formerly: BIOE168.

Focuses on the basics of recombinant DNA technology as applied to biopharmaceutical manufacturing in a classroom setting. Students will work through a "production campaign" including all key steps of manufacturing a protein product.

YS41	Ben Woodard, Kevin Knapstein	Seats (Total: 18)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 9:50am	CHE 2118	
	MTuWThF 10:00am - 12:50pm	CHE 1203	Lab
	This section is part of the Young Scholars Program. Enrollment by permission only.		
YS42	Ben Woodard, Kevin Knapstein	Seats (Total: 18)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 9:50am	CHE 2118	
	MTuWThF 2:00pm - 4:50pm	CHE 1203	Lab
	This section is part of The Young Scholars Program. Enrollment by permission only.		

BIOE399 **Independent Study in Bioengineering**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE399H **Independent Study in Bioengineering**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study.

Contact department for information to register for this course.

BIOE689 **Special Topics in Bioengineering**

Credits: 1-3 Grading Method: Regular

Research Oriented Individual Instruction course.

0205	Peter Kofinas	Seats (Total: 3)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BIOE689E **Special Topics in Bioengineering; Microscopic Structure and Function of Cells, Tissue and Organs**

Credits: 3 Grading Method: Regular

Research Oriented Individual Instruction course.

This course is restricted to Professional Master of Engineering or Graduate Certificate of Engineering students only.

BI01	Peter Andrews	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

BIOE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOE899 **Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL Biology Summer 2015

BIOL609 **Special Problems in Biology**

Credits: 1-6 Grading Method: Regular

One seminar per week for each subject selected: A-Cell Biology; B-Developmental Biology; C-Estuarine and Marine Biology; D-Genetics; E-Parasitology; F-Physiology; G-Systematics and Evolutionary Biology; I-Behavior; J-General; K-Endocrinology; L-Ecology.

Contact department for information to register for this course.

BIOL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BIOL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0212	Ricardo Araneda **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0223	Carlos Machado **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

BISI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BISI898 **Pre-Candidacy Research; Pre-Doctoral Reserach**

Credits: 1-8 Grading Method: Regular

0132	Daniel Gruner **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 3)

BISI899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0172	Iqbal Hamza **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0203	Wenxia Song **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0204	Patrick Kanold **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0205	John Marino **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0207	Silvia Muro **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0210	Heven Sze **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0230	Najib El-Sayed **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0231	Charles Mitter **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0235	Bill Fagan **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0242	David Mosser **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0269	Anne Simon **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0281	Norma Andrews **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0285	Daniel Perez **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

BMGT Business and Management Summer 2015

BMGT110 Introduction to the Business Value Chain

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

All course material is delivered online. In-class comprehensive final exam scheduled for August 27, 2015 at 6:30pm in Van Munching Hall.

WB20	Hugh Turner	Seats (Total: 45)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE
	Click here for more information.	

BMGT220 **Principles of Accounting I**

Credits: 3 Grading Method: Regular

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

0101	Sijing Wei	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 12:30pm - 2:05pm	VMH 1330

BMGT221 **Principles of Accounting II**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0101	Kyungran Lee	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 1:30pm - 3:05pm	VMH 1335

BMGT230 **Business Statistics**

Credits: 3 Grading Method: Regular General Education: FSAR

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH220 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and the application of these concepts to problem solving in business and management.

0301	Francis Alt	Seats (Total: 35)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 10:00am - 1:10pm	VMH 1511

BMGT289B **How Do Innovators Think?**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, SCIS

YS41	Mira Azarm	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:00pm	SYM 3320
	Click here for more course information.	

BMGT289I **Why Good Managers Make Bad Decisions**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: DSSP, SCIS

0601	Jeff Miller	Seats (Total: 20)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 1:10pm	VMH 1336
	To register for this course after July 17, 2015, e-mail summer@umd.edu.	

BMGT310 **Intermediate Accounting I**

Credits: 3 | Grading Method: Regular

Prerequisite: BMGT221.

Comprehensive analysis of financial accounting topics related to financial statement preparation and external reporting.

0101	Yue Zheng	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 11:30am - 1:05pm	VMH 1335

BMGT340 Business Finance

Credits: 3 Grading Method: Regular

Prerequisite: BMGT221; and (BMGT231 or BMGT230).

Topics include: the principles and practices involved in the organization, financing and rehabilitation of business enterprises; the various types of securities and their use in raising funds, apportioning income, risk and control; intercorporate relations; and new developments. Emphasis on solution of problems of financial policy faced by management.

Portions of this course will be offered online.

0101	Karen Hallows	Seats (Total: 41)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 2:30pm - 5:40pm	VMH 1330

BMGT350 Marketing Principles and Organization

Credits: 3 Grading Method: Regular

Prerequisite: ECON200 or ECON205.

An introduction to the concepts and principles of marketing including the marketing of service and nonprofit organizations. Provides an overview of all the concepts in marketing including relationship marketing, product development, pricing, promotion, marketing research, consumer behavior, international marketing, distribution and internal marketing to employees.

0201	Roxanne Lefkoff	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 6:00pm - 9:10pm	VMH 1335

BMGT352 Customer-Centric Innovation

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT350.

Addresses the management of new products and services with a focus on the innovation process, specifically the development and launching of new products or services: Opportunity Identification, Concept Generation, Design, Testing and Launch.

Contact department for information to register for this course.

BMGT357 **Retailing and Marketing Internship**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: BMGT350. Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.

Supervised work experience with a firm engaged in marketing goods or services. Students apply concepts learned in marketing classes and analyze the firm's organizational structure, environment and marketing strategy.

Click here for more course information.

I201	Mary Harms	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BMGT364 **Managing People and Organizations**

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Michael Parke	Seats (Total: 45)
	Meets June 1, 2015 - July 12, 2015	
	MW 6:00pm - 9:10pm	VMH 1330
0201	Ning Li	Seats (Total: 45)
	Meets July 13, 2015 - August 23, 2015	
	MW 2:30pm - 5:40pm	VMH 1336

BMGT373 **Supply Chain Management Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: BMGT370 or BMGT372. Restriction: Permission of BMGT-Robert H. Smith School of Business.

Involves supervised work experience in supply chain management, logistics and/or transportation. Students will be expected to relate course material to work experience in an analysis of a firm's operations.

Click here for more course information.

I201	John Paraskevas	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BMGT380 **Business Law I**

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0201	William McClenahan	Seats (Total: 45)
	Meets July 23, 2015 - August 23, 2015	
	TuTh 5:45pm - 10:00pm	VMH 1336

BMGT386 **General Business Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Restriction: Permission of BMGT-Robert H. Smith School of Business; and must be in a major in BMGT-Robert H. Smith School of Business.

Supervised work experience in business. Students will be expected to relate course material to work experience in an analysis of a firm's operations.

Click here for more information.

I201	Hugh Turner	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BMGT398 **Individual Study in Business and Management**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

BMGT398G **Individual Study in Business and Management; Social Entrepreneurship Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

BMGT446 **International Finance**

Credits: 3 Grading Method: Regular

Prerequisite: BMGT340.

Financial management from the perspective of the multinational corporation. Topics covered include the organization and functions of foreign exchange and international capital markets, international capital budgeting, financing foreign trade and designing a global financing strategy. Emphasis of the course is on how to manage exchange and political risks while maximizing benefits from global opportunity sets faced by the firm.

0101	Bo Hu	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 6:00pm - 9:10pm	VMH 1335

BMGT454 **Global Marketing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BMGT350.

Marketing functions from the global executive's viewpoint, including coverage of global marketing policies relating to product adaptation, data collection and analysis, channels of distribution, pricing, communications and cost analysis. Consideration is given to the cultural, legal, financial and organizational aspects of global marketing.

Contact department for information to register for this course.

BMGT463 **Cross-cultural Challenges in Business**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

Examines in depth the nature of international cultural value-differences and their behavioral-related effects in the workplace. Topics include decision-making and leadership styles and reactions to various work assignments and reward structures.

Contact department for information to register for this course.

BMGT495 **Business Policies**

Credits: 3 Grading Method: Regular CORE: CS General Education: DSSP

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business.

A case-based course where students learn to play the role of the "strategic manager" who defines the scope of its business operations and, within the chosen scope, how the firm will compete against rivals. This course focuses on how a firm can both formulate effective business-level and corporate-level strategies to achieve competitive advantage and earn above average profits.

This course is restricted to graduating BMGT majors with 90 credit hours completed.

0101	Heejung Byun **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:10pm	Seats (Total: 35) VMH 1335
0201	Clarence Wesley **Meets July 13, 2015 - August 23, 2015** TuTh 2:30pm - 5:40pm	Seats (Total: 35) VMH 1335

BMGT828 **Independent Study in Business and Management**

(Perm req)

Credits: 1-9 Grading Method: Regular

By permission only of the Graduate Director.

Contact department for information to register for this course.

BMGT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact Graduate Program Director to make arrangements.

Contact department for information to register for this course.

BSCI Biological Sciences Program Summer 2015

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available.

BSCI105 **Principles of Biology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

Students must pay a $40.00 laboratory materials fee.

0101	Michael Keller, David Kirschtel **Meets June 1, 2015 - July 12, 2015** MW 9:00am - 12:00pm TuTh 9:00am - 11:50am	Seats (Total: 22) BPS 1250 HJP 1226	 Lab
0102	Michael Keller, David Kirschtel **Meets June 1, 2015 - July 12, 2015** MW 9:00am - 12:00pm TuTh 12:00pm - 2:50pm	Seats (Total: 22) BPS 1250 HJP 1236	 Lab
0103	Michael Keller, David Kirschtel **Meets June 1, 2015 - July 12, 2015** MW 9:00am - 12:00pm TuTh 6:00pm - 9:00pm	Seats (Total: 22) BPS 1250 HJP 1235	 Lab

BSCI105M **Principles of Biology I**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Recommended: For Science majors.

Basic principles of biology with special emphasis on cellular and molecular biology.

0105	Michael Keller, David Kirschtel **Meets June 1, 2015 - July 12, 2015** MW 9:00am - 12:00pm	Seats (Total: 5) BPS 1250

BSCI106 **Principles of Biology II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

Students must pay a $40.00 laboratory materials fee.

0202	Marjorie Reaka	Seats (Total: 24)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 11:00am - 12:20pm	PLS 1130	
	TuTh 1:00pm - 4:00pm	HJP 3217	Lab

BSCI106M **Principles of Biology II**

(Perm req)

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Restriction: For science majors.

Basic principles of biology with special emphasis on organismal, ecological and evolutionary biology.

Permission required

0202	Marjorie Reaka	Seats (Total: 5)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 11:00am - 12:20pm	PLS 1130	

BSCI135 **Amazing Green: Plants that Transformed the World**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL, SCIS

An interactive way to learn about plants and science, focusing on how plants have changed human history, the biology of their growth, and the science behind their use.

0101	Edgar Moctezuma	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 11:00am - 12:20pm	HJP 3237	
	TuTh 1:00pm - 3:00pm	HJP 3237	Lab

BSCI201 **Human Anatomy and Physiology I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL

Prerequisite: BSCI105; or students who have taken courses with comparable content may contact the department.

Anatomy and physiology of the skeletal, muscular, neural, endocrine, an sensory systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

Students must pay a $40.00 Laboratory Materials fee. (Sponsoring Department: BIOL.)

0101	Justicia Opoku-Edusei **Meets June 1, 2015 - July 12, 2015** MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24) BPS 1243 BPS 0205	 Lab
0102	Justicia Opoku-Edusei **Meets June 1, 2015 - July 12, 2015** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1243 BPS 0205	 Lab
0104	Justicia Opoku-Edusei **Meets June 1, 2015 - July 12, 2015** MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24) BPS 1243 BPS 0275	 Lab
0105	Justicia Opoku-Edusei **Meets June 1, 2015 - July 12, 2015** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1243 BPS 0275	 Lab

BSCI202 **Human Anatomy and Physiology II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI201; or permission of CMNS-Biology department.

Anatomy and physiology of the cardiovascular, respiratory, immune, digestive, urinary and reproductive systems. Course not acceptable toward major requirements in Biological Sciences, Chemistry or Biochemistry.

Students must pay a $40.00 Laboratory Materials fee. Sponsoring Department: BIOL.

0201	Tammatha O'Brien **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24) BPS 1250 BPS 0275	 Lab
0202	Tammatha O'Brien **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 BPS 0275	 Lab
0204	Tammatha O'Brien **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm TuWTh 8:00am - 10:50am	Seats (Total: 24) BPS 1250 BPS 0201	 Lab
0205	Tammatha O'Brien **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm TuWTh 1:00pm - 3:50pm	Seats (Total: 24) BPS 1250 BPS 0201	 Lab

BSCI222 **Principles of Genetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM132, BSCI106, and BSCI105. Or BSCI105; and must have completed two semesters of chemistry.

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

0101	David Straney **Meets June 1, 2015 - July 12, 2015** MTuWThF 1:00pm - 2:20pm TuThF 3:00pm - 5:00pm	Seats (Total: 30) BPS 1250 BPS 1232	 Discussion
0102	David Straney **Meets June 1, 2015 - July 12, 2015** MTuWThF 1:00pm - 2:20pm TuThF 3:00pm - 5:00pm	Seats (Total: 10) BPS 1250 BPS 0283	 Discussion

BSCI223 **General Microbiology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: LL | General Education: DSNL, SCIS

Prerequisite: BSCI105.

Fundamental concepts in morphology, physiology, genetics, immunology, ecology, and pathogenic microbiology. Applications of microbiology to medicine, the food industry and biotechnology.

Students must pay a $40.00 laboratory materials fee.

0101	John Buchner **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 14) MCB 1207 MCB 1201	 Lab
0102	John Buchner **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 13) MCB 1207 MCB 1205	 Lab
0103	John Buchner **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 11:50am MTuWThF 12:30pm - 2:30pm	Seats (Total: 13) MCB 1207 MCB 1206	 Lab

BSCI279 **Supplemental Study; Supplemental Study in Biology**

(Perm req)

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

(Sponsoring Department: BIOL.)

Contact department for information to register for this course.

BSCI279A **Supplemental Study; Study in Australia**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

Contact department for information to register for this course.

BSCI279E **Supplemental Study; Environmental Biology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

This Course will explore adaptation and natural selection; organismic, population, community, and ecosystem ecology; and human impact on natural systems

YS41	Sarah Firestone	Seats (Total: 25)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:30am - 12:00pm	SYM 0215	
	TuTh 2:00pm - 4:30pm	SYM 0215	Discussion
	This section is part of The Young Scholars Program. Enrollment by permission only.		

BSCI279G **Supplemental Study; Natural History, Ecology and Geology of Australia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

Contact department for information to register for this course.

BSCI279L **Supplemental Study; Biology I Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

0101	Michael Keller	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

BSCI279N **Supplemental Study; Biology II Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement a course taken previously which is not fully equivalent to current departmental requirements. Credit according to work done.

0201	Hans Lemke	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI289 **Off-Campus Internship**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Elective credit for formally established off-campus research internship. Permission of Director of Outreach required.

I101	Katerina Thompson	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
I201	Katerina Thompson	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI330 **Cell Biology and Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in CHEM131, CHEM132, and BSCI105. Restriction: Must not have completed BSCI230. Credit only granted for: BSCI230 or BSCI330. Formerly: BSCI230.

Biochemical and physiological mechanisms underlying cellular function. Properties of cells which make life possible and mechanisms by which cells provide energy, reproduce, and regulate and integrate with each other and their environment.

Students must pay a $40.00 lab materials fee.

0101	Hadiya Woodham	Seats (Total: 27)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 11:30am - 1:10pm	HJP 0226	
	TuWTh 8:30am - 11:20am	BPS 0207	Lab

BSCI338I **Special Topics in Biology; Medical Biotechnology & Drug Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338M **Special Topics in Biology; Human Health and Disease: A Clinical Approach**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

Contact department for information to register for this course.

BSCI338Z **Special Topics in Biology; Field Research**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Department: BIOL.)

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
SG10	Beth Parent **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
SG20	Beth Parent **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

BSCI339N **Selected Topics in Biology; Natural History, Ecology and Geology of Australia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Contact department for information to register for this course.

BSCI342 **Biology of Reproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105; or permission of CMNS-Biological Sciences UG Program. Also offered as: WMST326. Credit only granted for: BSCI342 or WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior, and menopause.

0101	Justicia Opoku-Edusei	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 9:00am - 10:40am	PLS 1117

BSCI348 **Special Topics in Cell Biology and Molecular Genetics**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

0223	Byrn Quimby	Seats (Total: 1)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI348J **Special Topics in Cell Biology and Molecular Genetics; Medical Microbiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Prerequisite: BSCI105 (grade of B or better) or BSCI223 or BSCI283. Credit only granted for BSCI424 or BSCI348J. Mechanisms of pathogenesis, detection, prevention and treatment of bacterial, viral and parasitic pathogens of humans.

WB21	Volker Briken	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

BSCI348M **Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB31	Jeffrey Olimpo	Seats (Total: 33)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Microbiology Internship. Opportunity for students to perform research, relating to microbiology in an off-campus laboratory. Permission of Instructor required. 3 credits applicable to MICB specialization area.

I101	David Straney	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
I201	David Straney	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI353 **Principles of Neuroscience**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (BSCI207, BSCI330). Corequisite: PHYS122, PHYS142, or PHYS132.

Principles of nervous system function, ranging from molecular and cellular basis of neuron function through nervous system integration.

0101	Katrina Macleod	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 10:00am - 11:20am	BPS 1238

BSCI370 **Principles of Evolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI106.

Understanding evolutionary processes in a natural and human environment including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution.

0301	Charles Fenster	Seats (Total: 20)
	Meets June 1, 2015 - June 19, 2015	
	MTuWThF 10:00am - 1:00pm	BPS 0283

BSCI379 **Cell Biology and Molecular Genetics Department Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Contact department for information to register for this course.

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Contact department for information to register for this course.

BSCI379H **Cell Biology and Molecular Genetics Department Honors Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Student should consult program guidelines. Research project carried out under guidance of faculty advisor.

0201	Steven Hutcheson	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI379M **Cell Biology and Molecular Genetics Department Research; Research in Microbiology**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

Contact department for information to register for this course.

BSCI379P **Cell Biology and Molecular Genetics Department Research; Research in Plant Biology**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Research carried out under guidance of faculty advisor. Student must make arrangements with a CBMG Departmental faculty member to do this research and register for this course. Permission Required.

Contact department for information to register for this course.

BSCI389 **Entomology Department Research**

(Perm req)

Credits: 1-2

Grading Method: Regular, Pass-Fail, Audit

Credit to be determined by the department. Should be taken during the junior year. Investigations of assigned entomological problems. No more than 4 credit hours of BSCI389 may be applied to the 120 credit hours needed for the Bachelor's degree.

Contact department for information to register for this course.

BSCI399 **Biology Department Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

(Sponsoring Department: BIOL.)

0101	Reid Compton	Seats (Total: 15)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0201	Reid Compton	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSCI399H **Biology Department Honors Research**

(Perm req)

Credits: 1-2 Grading Method: Regular

A laboratory research problem; required each semester during honors participation and culminating in an honors thesis.

(Sponsoring Department: BIOL.)

Contact department for information to register for this course.

BSCI414 **Recombinant DNA Laboratory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222.

An advanced course offering hands-on experience in performing recombinant DNA experiments. All current molecular biology techniques used for cloning prokaryotic genes, analyzing the gene products, and modifying the genes will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

Students must pay a $40.00 lab materials fee.

0101	Sandra Fox-Moon	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 11:00am - 3:00pm	MCB 1143	Lab

BSCI422 **Principles of Immunology**

Credits: 3 Grading Method: Regular

Prerequisite: BSCI223 and BSCI222. Recommended: BSCI330. Restriction: Junior standing or higher.

The immune system in health and disease. Presentation and analysis of the cellular and molecular processes that comprise the immune system.

0201	Kenneth Frauwirth	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 10:00am - 11:40am	MCB 1207

BSCI433 **Biology of Cancer**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.

Causes and consequences of neoplastic transformations at the biochemica and cellular levels.

0401	Beth Parent	Seats (Total: 20)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 11:30am	PLS 1111	

BSCI437 **General Virology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI222; or permission of CMNS-Biological Sciences UG Program. Restriction: Junior standing or higher.

Discussion of the physical and chemical nature of viruses, virus cultivation and assay methods, virus replication, viral diseases with emphasis on the oncogenic viruses, viral genetics, and characteristics of the major virus groups.

0101	Jeffrey DeStefano	Seats (Total: 70)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 1:30pm - 3:10pm	MCB 1207	

BSCI440 **Mammalian Physiology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330; and (CHEM231 and CHEM232; or must have completed CHEM233). Or permission of CMNS-Biological Sciences UG Program.

A study of the cardiovascular, hemopoietic, gastrointestinal, renal and respiratory systems. Chemical and endocrine regulation of physiological functions in mammals. Course does not count as an upper level lab for BIOL majors (see BSCI441).

0101	David Sandstrom	Seats (Total: 50)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 10:00am - 11:45am	PLS 1130	
	MTuWTh 8:00am - 9:45am	BPS 1236	Discussion

BSCI447 **General Endocrinology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI330, CHEM241, and CHEM242.

Functions and the functioning of the endocrine glands of animals with special reference to the vertebrates.

WB21	Tammatha O'Brien	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

BSCI493 **Medicinal and Poisonous Plants**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI105; and must have completed CHEM233. Or 4 credits in BSCI courses.

A study of plants important to humans that have medicinal or poisonous properties. Emphasis on plant source, plant description, the active agent and its beneficial or detrimental physiological action and effects.

0101	George Bean	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 10:00am - 11:20am	HJP 1216

BSGC Global Communities Summer 2015

BSGC386 **Experiential Learning in Global Communities: Global Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Global Communities Living-Learning program. Credit only granted for: BSGC398E or BSGC386. Formerly: BSGC398E.

Experiential Learning in Global Communities: Global Internship, will give students an opportunity to connect theory with practice.

I101	Natalie Vinski	Seats (Total: 20)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Course meetings will be conducted online.	

BSGC398A **BSGC Experiential Learning in Global Communities: Global Service**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning is an integral element of the Global Communities program. Students will gain an understanding of social issues in marginalized communities, engage in service-learning, and develop an action plan for civic engagement in a diverse global society.

WB11	Malaika Serrano	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

BSGC399 **Topical Investigations in Global Communities**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Variable from 1-3 credits and repeatable up to 6 if content varies.

WB11	Virginia Haufler	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

BSOS Behavioral and Social Sciences Summer 2015

BSOS288I **Special Topics in Behavioral and Social Sciences; Social Science Internship Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

I101	Kathryn Hopps	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
I201	Kathryn Hopps	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSOS288M **Special Topics in Behavioral and Social Sciences; MSEC Internship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Introductory special topics course focusing on an interdisciplinary topic related to behavioral and social sciences.

Contact department for information to register for this course.

BSOS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Contact department for information to register for this course.

BSOS388I **Behavioral and Social Sciences Special Topics; Internship Practicum in the Social Sciences**

(Perm req)

Credits: 1-3 Grading Method: Regular

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

I101	Kathryn Hopps **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)	
I201	Kathryn Hopps **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)	

BSOS388N **Behavioral and Social Sciences Special Topics; BSOS Summer Grant Writing Workshop: NSF Graduate Research Fellowship**

Credits: 1 Grading Method: Regular

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

0101	Carl Lejuez **Meets June 1, 2015 - July 12, 2015** Tu 5:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) TYD 2141 ONLINE	 Discussion

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BSOS388Q **Behavioral and Social Sciences Special Topics; Cesar Directed Study**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics course focusing on an interdisciplinary topic related to the Behavioral and Social Sciences.

Contact department for information to register for this course.

BSST Terrorism Studies Summer 2015

BSST240 **Understanding The Principles and Perils of CBRN Weapons**

Credits: 3 Grading Method: Regular CORE: LL General Education: DSNL (if taken with BSST241), DSNS

Additional information: If taken in the same term as BSST241 these courses will count for General Education Natural Sciences Lab.

Explores the 'dark side' of scientific applications. Students will gain an understanding of CBRN Weapons, through the exploration of the scientific method, and certain fundamental principles of chemistry, biology, and physics. Students will also learn how to test hypotheses, use basic statistics, interpret results, and apply their new knowledge through discussions of practical applications in the domains of public health, emergency management, epidemiology, and threat assessment. Bringing these fields together in one class will allow students to better understand the use of and threat from CBRN weapons in terrorism.

0101	Emily Iarocci, Gary Ackerman	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:30am - 1:25pm	TWS 0236

BSST241 **Understanding the Principles and Perils of CBRN Weapons (Lab)**

Credits: 1 Grading Method: Regular CORE: LL

Corequisite: BSST240. Additional information: This is an optional 1-credit lab course offered in coordination with BSST240. If taken in the same term as BSST240 these courses will count for General Education Natural Sciences Lab.

An exploration of the threat of Chemical, Biological, Radiological, and Nuclear (CBRN) weapons aimed to provide students with a basic, multidisciplinary, natural science foundation in chemistry, biology, and physics.

0101	Gary Ackerman, Emily Iarocci	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 1:30pm - 3:50pm	ASY 3221

BSST338A **Special Topics in Terrorism Studies; Terrorist Hostage Taking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Examine different forms of hostage taking and consider approaches to studying behavior, along with the problems inherent in such research. Weekly topics will include issues such as scripts and patterned behavior, victim resistance, what the Stockholm Syndrome might really mean. This course explores the tactical choices of terrorist groups, the responses of the other players and how the combinations might impact the end results.

WB21	Margaret Wilson	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

BSST338X **Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST370 **Terrorist Financing Analysis and Counterterrorist Finance**

Credits: 3 Grading Method: Regular, Pass-Fail

Credit only granted for: BSST370 or BSST338Z. Formerly: BSST338Z.

This course will discuss terrorist financial activities, initiatives focused on countering those financial activities, and sanctions policy. This course approaches these topics through various techniques including, structured analytic tools, such as weighted ranking methods, scenario trees, causal flow diagramming, hypothesis testing, utility analysis, as well as game theory and logic will be incorporated into the course to provide students a better framework to form analytic judgments. At the end of the course, students will have gained a solid foundational understanding of the financing and counter-financing of terrorists.

WB11	Nil Satana	Seats (Total: 20)
	Meets June 1, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

BSST386 **Experiential Learning in Terrorism Studies**

(Perm req)

Credits: 1-5

Grading Method: Regular, Pass-Fail

Repeatable to 10 credits.

This course will supplement student's experiential learning experience, or internship in the field of terrorism studies and homeland security with guided reflection on their experiences.

I101	Katherine Izsak	Seats (Total: 25)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	

BSST633 **Research Methods in Terrorism and Counterterrorism**

Credits: 3

Grading Method: Regular, Audit

Credit only granted for: BSOS633 or BSST633. Formerly: BSOS633.

Provides students with the opportunity to conduct original research, while exposing them to analytical tools relevant to the study of terrorism. Students will work with a range of data sources on domestic and international terrorism, and will be tasked with using data to test hypotheses related to the causes, behaviors, and/ or impacts of terrorism.

ST01	John Stevenson	Seats (Total: 1)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

BSST638V **Special Topics in Terrorism Studies; Countering Violent Extremism and Deradicalization in International Contexts**

Credits: 3

Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST638Z **Special Topics in Terrorism Studies; Dollars to Designations: Terrorist Finance and the Methods Deployed to Counter Terrorist Finance**

Credits: 3

Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Disrupting money flows to terrorists entails a complex interplay among individual, state, and multilateral actors. This course provides an introduction to terrorists financial activities and counterterrorism finance and sanctions policy. The course examines how terrorist groups finance their operations and also emphasizes current policy approaches designed to curb terrorist financing through the application of U.S. and international sanctions. The course explores how multilateral fora; such as the United Nations and Financial Action Task Force counterterrorist finance. At the completion of this course, students will have a better understanding of the key tools, including law enforcement, diplomatic, or intelligence, that are deployed to disrupt and deter terrorist finance.

WB11	Nil Satana	Seats (Total: 5)
	Meets June 1, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

BSST698C **Seminar in Terrorism Studies; Training in Risk and Crisis Communication**

Credits: 1 Grading Method: Regular, Audit

A special topics seminar course for graduate students interested in terrorism studies.

0101	Holly Roberts	Seats (Total: 8)
	Meets June 20, 2015 - June 21, 2015	
	SaSu 9:00am - 5:30pm	BAV 250

BUAC Accounting and Information Assurance — Summer 2015

BUAC743 **Financial Statement Analysis**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Provides students with the tools to conduct a financial statement analysis, which is part of an overall business analysis. This involves understanding and using the information that financial statements are communicating to users.

BA10	Gary Bulmash **Meets June 1, 2015 - June 23, 2015** MW 6:25pm - 10:00pm	Seats (Total: 50) BA 101
DC10	Partha Sengupta **Meets June 1, 2015 - July 21, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C1

BUAC758Y **Special Topics in Accounting and Information Assurance; International Tax**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in accounting and information assurance.

CP15	Samuel Handwerger **Meets June 1, 2015 - June 25, 2015** TuTh 6:30pm - 9:40pm *For MS in Accounting students only.*	Seats (Total: 50) VMH 1336

BUAC759 **Independent Study in Accounting and Information Assurance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for masters students in accounting and information assurance.

Contact department for information to register for this course.

BUAC765 **Business Ethics for Accountants and Auditors**

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Considers all facets of business ethics issues within an accounting and auditing context. Ethical theory, corporate social responsibility, and individual decision-making are considered. Some of the applied topics that may be covered in this course include, but are not limited to, intellectual property issues, corporate downsizing, outsourcing, global ethics, crises management, and employment ethics.

CP25	James Lager **Meets July 27, 2015 - August 18, 2015** MW 5:45pm - 10:00pm *For MS in Accounting students only.*	Seats (Total: 37) VMH 1333

BUAC792 **Forensic Accounting/Auditing**

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Provides a theoretical background and practical application of fraud examinations and corporate investigations. Fraud prevention, detection, investigation, and related matters such as courtroom procedures will be included. Also considered are topics such as FCPA and securities fraud. A wide variety of teaching tools are used.

CP15	Ariel Ramirez **Meets June 1, 2015 - July 1, 2015** MW 6:15pm - 10:00pm *For MS in Accounting students only.*	Seats (Total: 50) VMH 1336
GS15	Ariel Ramirez **Meets June 2, 2015 - July 2, 2015** TuTh 6:15pm - 10:00pm *For MS in Accounting students only.*	Seats (Total: 38) BLD2 3032

BUDT Decision and Information Technologies — Summer 2015

BUDT759 **Independent Study in Decision and Information Technologies**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for masters students in decision and information technologies.

Contact department for information to register for this course.

BUDT775 **Pricing and Revenue Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI630. Restriction: Must be in a major in BMGT-Robert H. Smith School of Business; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BUDT758D or BUDT775. Formerly: BUDT758D.

Specialized course on pricing and revenue management (PRM) that provide students with tools and principles, drawn from several disciplines (Operations, Microeconomics, Decision Modeling, Statistics, Marketing, IS) to make effective pricing decisions. Topics covered include economics of pricing, strategy and tactics of PRM, pricing optimization, differentiated pricing, dynamic pricing, mark-down pricing, legal and ethical issues in models/methods used in making effective PRM decisions and managerial or organizational factors that hold the key to success in execution of PRM.

GS20	Yi Xu	Seats (Total: 50)
	Meets July 27, 2015 - August 18, 2015	
	MW 6:25pm - 10:00pm	BLD2 2032

BUFN Finance Summer 2015

BUFN754 **Corporate Risk Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

DC26	Ceyed Baiju	Seats (Total: 50)
	Meets August 1, 2015 - August 16, 2015	
	SaSu 9:00am - 4:15pm	DC C2
	Meets 8/1, 8/2, 8/15, 8/16.	

BUFN759 **Independent Study in Finance**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in finance.

Contact department for information to register for this course.

BUFN762 **Fixed Income Analysis**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN731 or BUFN762. Formerly: BUFN731.

Describes important financial instruments which have market values that are sensitive to interest rate movements. Develops tools to analyze interest rate sensitivity and value fixed income securities. Defines and explains the vocabulary of the bond management business.

BA10	Mark Taranto	Seats (Total: 50)
	Meets June 29, 2015 - July 21, 2015	
	MW 6:25pm - 10:00pm	BA 101

BUFN763 **Portfolio Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN700 or BUFN763. Formerly: BUFN700.

Provides training that is important in understanding the investment process - the buy side of the financial world. Specifically, the objective is to provide graduate-level instruction in the following topics, both in theory and in using financial markets data to test the basic theory and practice of portfolio choice and equilibrium pricing models and their implications for efficient portfolios.

DC20	Karl Snow	Seats (Total: 50)
	Meets July 27, 2015 - August 18, 2015	
	TuTh 6:25pm - 10:00pm	DC C3

BUFN772 **Bank Management**

Credits: 2 Grading Method: Regular, Audit

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN722 or BUFN772. Formerly: BUFN722.

Analyze and discuss readings in bank management,with primary focus on the measurement and management of risk, including credit, market, and interest rate risk. Look at the management of liquid reserves. Examine the special nature of financial institutions, incorporating their functions, policies, services, and regulation. Study the evolving nature of the financial services inductry, by reading the financial press and by having outside practitioner speakers. Focus is on U.S. banks.

DC10	Joseph Colantuoni	Seats (Total: 50)
	Meets June 1, 2015 - June 23, 2015	
	MW 6:25pm - 10:00pm	DC C1

BULM Logistics, Business, and Public Policy — Summer 2015

BULM758R **Special Topics in Logistics, Business and Public Policy; The Role of Government in a Free Enterprise System**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in logistics, business and public policy.

DC20	Leland Gardner	Seats (Total: 50)
	Meets July 27, 2015 - August 18, 2015	
	MW 6:25pm - 10:00pm	DC C3

BULM759 **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Logistics Management.

Contact department for information to register for this course.

BUMK Marketing Summer 2015

BUMK716 **Brand Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Brand names are valuable assets for firms. Effective brand management i critical to maintaining the long-term profitability of products and services. Topics include understanding brands from the customer's perspective, building brand equity, measuring brand equity, leveraging brand equity, managing brand portfolios and managing brands over time.

GS10	Richard Newman	Seats (Total: 50)
	Meets June 1, 2015 - June 23, 2015	
	MW 6:25pm - 10:00pm	BLD2 3032

BUMK717 **Integrated Marketing Communications**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business.

Marketing communications are a complex but critical component of marketing strategy. Topics include communication tools: advertising, sales promotions, corporation communications, one-on-one or direct marketing, public relations, internet communications, sponsorship/events marketing, and marketing communcation plans: defining objectives, implementing the plan, and measuring communications effectiveness. Achieving integration in the content, look, and feel of all marketing communications is stressed.

BA10	Sheila Lalwani **Meets June 29, 2015 - July 21, 2015** TuTh 6:25pm - 10:00pm	Seats (Total: 50) BA 101
DC10	Anastasiya Pocheptsova **Meets June 1, 2015 - June 23, 2015** MW 6:25pm - 10:00pm	Seats (Total: 50) DC C2
DC26	Rosellina Ferraro **Meets August 1, 2015 - August 15, 2015** Sa 8:30am - 6:30pm *Course meets 8/1, 8/15. Blended.*	Seats (Total: 45) DC C3

BUMK722 **Customer Equity Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Focuses on managing customers of a business, whether in B2B or B2C space, as a portfolio of equity; understanding the current and future value of customers to the business; selective acquisition, development, and retention of customers using latest developments in information technology.

BA26	Pallassana Kannan **Meets July 25, 2015 - August 1, 2015** SaSu 9:00am - 6:30pm *Meets 7/25, 7/26, 8/1.*	Seats (Total: 50) BA 103

BUMK758O **Special Topics in Marketing; Social Media and Internet Marketing**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

DC10	Jeremy Brown	Seats (Total: 50)
	Meets June 29, 2015 - July 21, 2015	
	MW 6:25pm - 10:00pm	DC C2

BUMK758P **Special Topics in Marketing; New Product Development**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

BA20	Amitabh Saxena	Seats (Total: 50)
	Meets July 27, 2015 - August 18, 2015	
	TuTh 6:25pm - 10:00pm	BA 103

BUMK759 **Independent Study in Marketing**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Marketing.

Contact department for information to register for this course.

BUMO Management and Organization Summer 2015

BUMO714 **Competitive and Collaborative Negotiation**

Credits: 2 Grading Method: Regular

Corequisite: BUMO715. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUMO714 or BMGT764. Formerly: BMGT764.

Increase negotiating self-confidence and improve capacity to achieve win-win solutions to organizational problems. Improve effectiveness at finding creative solutions to conflict.

DC20	Gosia Langa	Seats (Total: 40)
	Meets July 27, 2015 - August 18, 2015	
	MW 6:25pm - 10:00pm	DC C2

BUMO720 **Understanding Organizational Change**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI664 or BUSI662. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

BA20	Mary Taylor **Meets July 27, 2015 - August 18, 2015** MW 6:25pm - 10:00pm	Seats (Total: 50) BA 103
DC16	Judith Gebhardt **Meets May 30, 2015 - July 11, 2015** Sa 8:45am - 1:00pm *Meets 5/30, 6/6, 6/13, 6/20, 6/27, 7/11, Final 7/18.*	Seats (Total: 50) DC C2

BUMO756 **Industry Analysis**

Credits: 2 Grading Method: Regular

Recommended: BUSI690. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BMGT792 or BUMO756. Formerly: BMGT792.

Conceptual framework and analytical tools for understanding the dynamic of industry structure. Impacts of past and future attractiveness of the industry on profitability. Developing and applying frameworks to devise competitive strategies in uncertain industries.

BA10	Michael Geppi **Meets June 1, 2015 - June 23, 2015** TuTh 6:25pm - 10:00pm	Seats (Total: 50) BA 103

BUMO758G **Special Topics in Management and Organization; Innovation Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC26	Clarence Wesley **Meets July 27, 2015 - August 18, 2015** SaSu 9:00am - 4:15pm *Meets 8/1, 8/2, 8/15, 8/16.*	Seats (Total: 50) DC C1

GS10	Oliver Schlake	Seats (Total: 50)
	Meets June 29, 2015 - July 21, 2015	
	TuTh 6:25pm - 10:00pm	BLD2 2032

BUMO758K **Special Topics in Management and Organization; Management Consulting**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC10	Nicole Coomber	Seats (Total: 50)
	Meets June 1, 2015 - June 23, 2015	
	TuTh 6:25pm - 10:00pm	DC C2

BUMO759 **Independent Study in Management and Organization**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in management and organization.

Contact department for information to register for this course.

BUMO761 **Creativity for Business Leaders and Entrepreneurs**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUSI661 or BUMO761. Formerly: BUSI661.

Examines the concept of creativity as it applies in today's and tomorrow's complex business environment. An overview of the cognitive foundations of creativity, examines many of the preconceived notions about creativity in business and discusses multiple ways in which creativity can help business leaders and entrepreneurs to succeed. Topics include creativity techniques for groups and individuals, creativity as a foundation to recognize business opportunities and develop innovative products and services, selecting ideas and making them stick, mental and organizational obstacles to creativity as well as an overview of electronic tools to increase creative capability.

GS26	Oliver Schlake	Seats (Total: 50)
	Meets July 27, 2015 - August 18, 2015	
	SaSu 8:30am - 12:40pm	BLD2 2032

BUMO796 **Leadership and Human Resource Management for Accountants and Auditors**

Credits: 3 Grading Method: Regular

Restriction: Must be in Business and Management (Master's) program.

Develops the concepts, frameworks, and skills that are important to be effective leaders and to successfully manage human resources. Topics for discussion include: Creating a motivating and empowering environment; leadership attributes, power and effective influence; building effective decision-making; strategic management of human resources; specification of the skills and competencies requisite for job success; recruiting and selecting employees to fit the job and the organization; measuring, appraising and improving performance. All of the topics selected for discussion are critical ones that every professional needs to know, regardless of functional area (not just HR professionals), and will help students become more effective consultants, managers and leaders.

GS25	Karin Hurt	Seats (Total: 38)
	Meets July 27, 2015 - August 18, 2015	
	TuTh 5:45pm - 10:00pm	BLD2 3032
	For MS in Accounting students only.	

BUSI Part-Time MBA Program Summer 2015

Any remaining seats in BUSI courses will be available to the following groups of students: Students admitted/graduates of UMCP master or PhD program and students admitted/graduates of an AACSB- accredited masters program. Students outside the department should contact the Smith School of Business Masters Program Office starting the first day of registration for specific instructions on how to request a BUSI course. Requests for courses will be reviewed approximately two weeks before the start of the semester. For all course sections with GS, class will be held at the Shady Grove Campus. For all course sections with DC, class will be held at the Ronald Reagan Building/International Trade Center. For all course sections with BA, class will be held at the UMB BioPark Two For weekend courses, students are responsible for checking their schedule for course conflicts. If a student is registered for weekend courses that conflict, the student should make adjustments to their schedule. If changes are not made, the department can drop the course that was last added to cause the conflict.

BUSI611 **Managerial Accounting**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: BUSI610. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Use of accounting data in corporate planning and control. Cost-volume- profit analysis, budgeting, pricing decisions and cost data, transfer pricing, activity-based management, performance measures, and standard costing.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses. (Except: BUSI 611 Section 01D6, please see notes under section 01D6).

BA11	Michael Finch **Meets June 1, 2015 - July 16, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 60) BA 104
DC11	Colin Linsley **Meets June 1, 2015 - July 16, 2015** W 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC12	William Ford **Meets June 1, 2015 - July 16, 2015** Th 6:25pm - 10:00pm	Seats (Total: 0) DC C3
DC16	Colin Linsley **Meets May 30, 2015 - July 18, 2015** Sa 8:30am - 1:00pm *Meets 5/30, 6/13, 6/27, 7/11, Final 7/18.*	Seats (Total: 0) DC C3
GS11	William Ford **Meets June 1, 2015 - July 16, 2015** M 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI683 **The Global Economic Environment**

(Perm req)

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.

Non-majors should review their registration eligibility in the statement preceding the BUSI courses.

BA11	Cristian Dezso **Meets June 1, 2015 - July 16, 2015** Th 6:25pm - 10:00pm	Seats (Total: 60) BA 104
DC11	Cristian Dezso **Meets June 1, 2015 - July 16, 2015** M 6:25pm - 10:00pm	Seats (Total: 50) DC C3

DC12	Cristian Dezso **Meets June 1, 2015 - July 16, 2015** Tu 6:25pm - 10:00pm	Seats (Total: 50) DC C3
DC16	Charles Olson **Meets May 30, 2015 - July 18, 2015** Sa 2:00pm - 6:30pm *Meets 5/30, 6/13, 6/27, 7/11, Final 7/18.*	Seats (Total: 0) DC C3
GS11	Charles Olson **Meets June 1, 2015 - July 16, 2015** W 6:25pm - 10:00pm	Seats (Total: 0) BLD2 2032

BUSI698 **MBA Consulting Project**

(Perm req)

Credits: 3-6 Grading Method: Regular, Audit

Experiential research project in the identification of management problems, the evaluation of alternative solutions, and the recommendation for management.

Contact department for information to register for this course.

BUSI758M **Special Topics in Business; Managerial Communications**

Credits: 1 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

DC26	Jeffrey McKinney **Meets July 25, 2015 - July 25, 2015** Sa 8:30am - 6:30pm Class time/details on ELMs *Course meets on Saturday 7/25.*	Seats (Total: 60) Location: TBA ONLINE

BUSI758O **Special Topics in Business; Building Capacity in Sri Lanka**

(Perm req)

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

BUSI758U **Special Topics in Business; Organizational Transformation**

Credits: 1 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

DC26	Sunil Mithas	Seats (Total: 65)
	Meets August 22, 2015 - August 22, 2015	
	Sa 8:30am - 6:30pm	Location: TBA
	Class time/details on ELMs	ONLINE
	Course will meet on Saturday 08/22/15.	

BUSI759 **Independent Study in Business**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSI764 **Business Law for Managers**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT793 or BUSI764. Formerly: BMGT793.

Survey of United States legal institutions and processes as well as substantive areas of the law that affect business. Examination of tort and contract law, the legal forms of business organization and legal liability and major regulatory laws that affect business.

DC10	William McClenahan	Seats (Total: 50)
	Meets June 29, 2015 - July 21, 2015	
	TuTh 6:25pm - 10:00pm	DC C2
DC16	William McClenahan	Seats (Total: 50)
	Meets May 30, 2015 - July 18, 2015	
	Sa 2:00pm - 5:50pm	DC C1
	Meets 5/30, 6/6, 6/13, 6/20, 6/27, 7/11, Final 7/18.	

BUSI798K **Global Business Experience; China Ad-Venture**

(Perm req)

Credits: 2 Grading Method: Regular

Provides MBA students the opportunity to combine classroom learning and project research with seminars in a host country. The focus and locations visited will vary.

Contact department for information to register for this course.

BUSI799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Summer 2015

CBMG699 **Special Problems in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Emphasis is placed on research and discussion of current problems in th area of Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG799 **Masters Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Master's Thesis Research in Cell Biology and Molecular Genetics.

Contact department for information to register for this course.

CBMG899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Doctoral Dissertation Research.

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
0213	Jonathan Dinman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0220	Wenxia Song **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0260	Heven Sze **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0275	David Mosser **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CCJS Criminology and Criminal Justice Summer 2015

CCJS100 **Introduction to Criminal Justice**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

0201	Zachary Rowan **Meets July 13, 2015 - August 23, 2015** MTuWTh 9:00am - 10:40am	Seats (Total: 22) TYD 2106
XA21	Zachary Rowan **Meets July 13, 2015 - August 23, 2015** MTuWTh 9:00am - 10:40am	Seats (Total: 0) TYD 2106

CCJS105 **Introduction to Criminology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

0101	Kathleen Frey **Meets June 1, 2015 - July 12, 2015** MTuWTh 9:00am - 10:40am	Seats (Total: 50) Location: TBA

0201	Anastasia Tosouni **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm	Seats (Total: 22) TYD 2106
XA21	Anastasia Tosouni **Meets July 13, 2015 - August 23, 2015** MTuWTh 11:00am - 12:40pm	Seats (Total: 0) TYD 2106

CCJS200 **Statistics for Criminology and Criminal Justice**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: CCJS100 or CCJS105; and minimum grade of C- in MATH111. Restriction: Must be in Criminology and Criminal Justice program; or permission of BSOS-Criminology & Criminal Justice department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introduction to descriptive and inferential statistics, graphical techniques, and the computer analysis of criminology and criminal justice data. Basic procedures of hypothesis testing, correlation and regression analysis, and the analysis of continuous and binary dependent variables. Emphasis upon the examination of research problems and issues in criminology and criminal justice.

0101	Alan Lehman **Meets June 1, 2015 - July 12, 2015** MTuWTh 1:00pm - 2:40pm	Seats (Total: 50) LEF 2166

CCJS225 **Reactions to Violence**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP, SCIS

Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weakness of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

0201	Anastasia Tosouni **Meets July 13, 2015 - August 23, 2015** MTuWTh 1:00pm - 2:40pm	Seats (Total: 40) TYD 2109

CCJS300 **Criminological and Criminal Justice Research Methods**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).

Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

0101	Laure Brooks	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWTh 9:00am - 10:40am	LEF 2166	

CCJS320 Introduction to Criminalistics

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100 and CCJS230.

An introduction to modern methods used in the detection, investigation and solution of crimes. Practical analysis of evidence in a crime laboratory, including fingerprints and other impressions, firearms ID and ballistics, hairs and fibers, document examination, and use of polygraph.

There are lab fees associated with this course.

HY10	Thomas Mauriello	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs M 6:00pm - 8:45pm	ONLINE MMH 2401	Discussion
HY20	Thomas Mauriello	Seats (Total: 24)	
	Meets July 13, 2015 - August 23, 2015		
	Class time/details on ELMs M 1:00pm - 3:45pm	ONLINE MMH 2401	Discussion

CCJS340 Policing

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.

Critical issues relating to policing. Topics include police discretion, role of police, use of force, misconduct, police research, administration, personnel, and etc.

0101	Laure Brooks	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 11:00am - 12:40pm	LEF 2166

CCJS350 **Juvenile Delinquency**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105.

Juvenile delinquency in relation to the general problem of crime; analysis of factors underlying juvenile delinquency; treatment and prevention; organization and social responsibility of law enforcement.

WB21	Christine Roberts White	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Contact department for information to register for this course.

CCJS386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Criminology & Criminal Justice department; and junior standing or higher.

Contact department for information to register for this course.

CCJS398 **Law Enforcement Field Training; LAW ENFORCEMENT FIELD TRAINING**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised, structured and focused field training in law enforcement agencies.

Contact department for information to register for this course.

CCJS399 **Independent Study in Criminology and Criminal Justice**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under direction and supervision of a faculty member.

Contact department for information to register for this course.

CCJS452 **Treatment of Criminals and Delinquents**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS300. And CCJS350 or CCJS105; or permission of BSOS-Criminology & Criminal Justice department.

Processes and methods used to modify criminal and delinquent behavior.

0201	Justine Madoo	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 11:00am - 12:40pm	TYD 0111

CCJS600 **Criminal Justice**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600.

Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

Contact department for information to register for this course.

CCJS651 **Seminar in Criminology**

Credits: 3

Grading Method: Regular, Audit

Formerly: CRIM651.

Analysis of significant recent issues in Criminology.

Contact department for information to register for this course.

CCJS678G **Advanced Topics in Criminology and Criminal Justice; Criminal Justice System in China**

Credits: 3

Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS678K **Advanced Topics in Criminology and Criminal Justice; Research Methodology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS678L **Advanced Topics in Criminology and Criminal Justice; Professional Development for Criminology in China**

Credits: 3 Grading Method: Regular, Audit

An analysis of contemporary issues in criminology and criminal justice with special emphasis on research and theory developments.

Contact department for information to register for this course.

CCJS699 **Special Criminological Problems**

Credits: 1-3 Grading Method: Regular, Audit

Supervised study of a selected problem in the field of criminal justice.

Contact department for information to register for this course.

CCJS799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CCJS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Doctoral dissertation research in criminal justice and criminology.

Contact department for information to register for this course.

CHBE Chemical and Biomolecular Engineering Summer 2015

CHBE101 **Introduction to Chemical and Biomolecular Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; or students who have taken courses with comparable content may contact the department. Corequisite: MATH141. Restriction: Must be in Engineering: Chemical program; or permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE101 or ENCH215. Formerly: ENCH215.

Introduction to methods of chemical engineering calculations and analysis. Stoichiometric relations, material and energy balances, and behavior of gases, vapors, liquids and solids. Analytical and computer methods.

0101	Mohammad Soltanieh	Seats (Total: 45)
	Meets June 1, 2015 - July 12, 2015	
	MW 1:00pm - 5:00pm	CHM 1224

CHBE250 **Computer Methods in Chemical Engineering**

(Perm req)

Credits: 3

Grading Method: Regular

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in MATH241. Restriction: Must be in a major within the ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE250 or ENCH250. Formerly: ENCH250.

Algorithm development and application of software to the analysis of chemical engineering problems. File management and editing, graphics and numerical methods. Use of spreadsheets, statistics/math software and process simulators for the design of chemical process equipment.

0201	Nam Sun Wang	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 9:00am - 1:00pm	CHE 2136

CHBE301 **Chemical and Biomolecular Engineering Thermodynamics I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE101; and must have completed or be concurrently enrolled in CHBE250 and MATH241. Restriction: Must be in Engineering: Chemical program; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH300 or CHBE301. Formerly: ENCH300.

Principles of thermodynamics and their application to engineering problems. First and second laws of thermodynamics, properties of gases, liquids and solids, phase equilibrium, flow and non-flow systems, energy conversion, production of work from heat, thermodynamic analysis of processes, equilibrium stage operations and the thermodynamics of chemically reacting systems.

0201	Mohammad Soltanieh	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	MWF 9:00am - 12:00pm	CHE 2136

CHBE437 **Chemical and Biomolecular Engineering Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHBE424, CHBE426, and CHBE440. Restriction: Must be in a major within ENGR-Chemical & Biomolecular Engineering department; and permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: CHBE437 or ENCH437. Formerly: ENCH437.

Application of chemical engineering process and unit operation principals in small-scale semi-commercial equipment. Data from experimental observations are used to evaluate performance and efficiency of operations. Emphasis on correct presentation of results inreport form.

0101	Amy Karlsson, Audaldo Ponce	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 11:00am - 12:00pm TuTh 1:00pm - 5:00pm	CHE 2145 Location: TBA	Lab

CHBE468 **Research**

Credits: 1-3 Grading Method: Regular

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

0108	Sheryl Ehrman	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0208	Sheryl Ehrman	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

CHBE473 **Electrochemical Energy Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. Credit only granted for: ENCH468K or CHBE473. Formerly: ENCH468K.

The lecture will start from the basic electrochemical thermodynamics and kinetics, with emphasis on electrochemical techniques, fundamental principle and performance of batteries, and supercapacitors.

0201	Yujie Zhu	Seats (Total: 20)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 1:00pm - 5:00pm	JMP 2121	

CHEM Chemistry Summer 2015

CHEM131 **Chemistry I - Fundamentals of General Chemistry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with CHEM132)

Prerequisite: Must have math eligibility of MATH220, MATH130, or MATH140. Corequisite: CHEM132. Recommended: For Science majors. Credit only granted for: CHEM103, CHEM131, CHEM135, CHEM153 or CHEM146. Formerly: CHEM103.

An overview of the Periodic Table, inorganic substances, ionic and covalent bonding, bulk properties of materials, chemical equilibrium, and quantitative chemistry. CHEM131 is the first course in a four-semester sequence for students majoring in the sciences, other than Chemistry and Biochemistry majors.

0131	Earle Stone	Seats (Total: 34)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 8:00am - 9:20am	CHM 1402	
	TuTh 10:00am - 11:20am	CHM 1224	Discussion
0132	Earle Stone	Seats (Total: 34)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 8:00am - 9:20am	CHM 1402	
	TuTh 10:00am - 11:20am	CHM 2201	Discussion
0138	Joseph Houck	Seats (Total: 34)	
	Meets June 1, 2015 - August 21, 2015		
	Tu 6:30pm - 9:30pm	CHM 1228	
	Th 6:30pm - 7:20pm	CHM 1228	Discussion

CHEM132 **General Chemistry I Laboratory**

Credits: 1 | Grading Method: Regular, Pass-Fail

Corequisite: CHEM131. Credit only granted for: CHEM103, CHEM132, CHEM136, CHEM143, CHEM147 or CHEM177. Formerly: CHEM103.

Introduction to the quantification of chemical substances, including the concept of the mole and chemical stoichiometry. Additional work involves the synthesis of ionic substances and their qualitative characterization. Must be taken concurrently with CHEM131.

Students must pay a $40.00 lab materials fee.

0131	Earle Stone **Meets June 1, 2015 - July 12, 2015** MWF 9:30am - 12:20pm	Seats (Total: 24) CHM 1110	 Lab
0132	Earle Stone **Meets June 1, 2015 - July 12, 2015** MWF 9:30am - 12:20pm	Seats (Total: 24) CHM 1106	 Lab
0138	Joseph Houck **Meets June 1, 2015 - August 21, 2015** Th 7:30pm - 10:20pm	Seats (Total: 24) CHM 1111	 Lab

CHEM231 **Organic Chemistry I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131, CHEM135, or CHEM146; and (CHEM132, CHEM136, CHEM147, or CHEM177); and a grade of C- or better in the prerequisites is required of College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM232. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

The chemistry of carbon: aliphatic compounds, aromatic compounds, stereochemistry, arenes, halides, alcohols, esters and spectroscopy.

0171	Monique Koppel **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 9:20am TuTh 10:00am - 11:20am	Seats (Total: 34) CHM 1407 CHM 0119	 Discussion
0172	Monique Koppel **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 9:20am TuTh 10:00am - 11:20am	Seats (Total: 34) CHM 1407 CHM 0122	 Discussion

0178	Lee Friedman	Seats (Total: 29)	
	Meets June 1, 2015 - August 21, 2015		
	Tu 6:30pm - 9:30pm	CHM 1224	
	Th 6:30pm - 7:20pm	CHM 1224	Discussion
0271	Christopher Capp	Seats (Total: 44)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 8:00am - 9:20am	CHM 2201	
	TuTh 9:30am - 10:50am	CHM 1228	Discussion
0272	Christopher Capp	Seats (Total: 18)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 8:00am - 9:20am	CHM 2201	
	TuTh 9:30am - 10:50am	CHM 0124	Discussion

CHEM232 **Organic Chemistry Laboratory I**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132; or (CHEM135 and CHEM136); or (CHEM146 and CHEM147). And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM231. Credit only granted for: CHEM104, CHEM231, CHEM233 or CHEM237. Formerly: CHEM233.

Provides experience in developing some basic laboratory techniques, recrystallization, distillation, extraction, chromatography.

Students must pay a $40.00 Laboratory Materials fee.

0171	Monique Koppel	Seats (Total: 18)	
	Meets June 1, 2015 - July 12, 2015		
	MWF 9:30am - 12:20pm	CHM 1360	Lab
0172	Monique Koppel	Seats (Total: 18)	
	Meets June 1, 2015 - July 12, 2015		
	MWF 9:30am - 12:20pm	CHM 1356	Lab
0178	Lee Friedman	Seats (Total: 18)	
	Meets June 1, 2015 - August 21, 2015		
	Th 7:30pm - 10:20pm	CHM 1346	Lab

0271	Christopher Capp **Meets July 13, 2015 - August 23, 2015** MWF 9:30am - 12:20pm	Seats (Total: 18) CHM 1360	 Lab
0272	Christopher Capp **Meets July 13, 2015 - August 23, 2015** MWF 9:30am - 12:20pm	Seats (Total: 18) CHM 1356	 Lab

CHEM241 **Organic Chemistry II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Credit only granted for: CHEM241, CHEM243 or CHEM247. Formerly: CHEM243.

A continuation of CHEM231 with emphasis on molecular structure; substitution reactions; carbonium ions; aromaticity; synthetic processes; macromolecules.

0191	Bonnie Dixon **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 34) CHM 1407 CHM 0127	 Discussion
0192	Bonnie Dixon **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 35) CHM 1407 CHM 1228	 Discussion
0291	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 35) CHM 1407 CHM 0127	 Discussion
0292	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 30) CHM 1407 CHM 0128	 Discussion

0293	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm TuTh 9:30am - 10:50am	Seats (Total: 30) CHM 1407 HBK 1112	 Discussion

CHEM242 **Organic Chemistry Laboratory II**

Credits: 1 Grading Method: Regular

Prerequisite: CHEM231 and CHEM232; or CHEM237. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM241. Credit only granted for: CHEM243 or CHEM247. Formerly: CHEM243.

Synthetic organic chemistry through functional group manipulation, introduction to instrumentation essential to analysis and structure elucidation.

Students must pay a $40.00 Laboratory Materials fee.

0191	Bonnie Dixon, Daniel Falvey **Meets June 1, 2015 - July 12, 2015** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1326	 Lab
0192	Bonnie Dixon, Daniel Falvey **Meets June 1, 2015 - July 12, 2015** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1330	 Lab
0291	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1326	 Lab
0292	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1330	 Lab
0293	Lenea Stocker **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 10:50am	Seats (Total: 18) CHM 1308	 Lab

CHEM271 **General Chemistry and Energetics**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM272. Credit only granted for: CHEM113, CHEM153, CHEM271 or CHEM276. Formerly: CHEM113.

An introduction to the physical aspects of chemistry; chemical kinetics thermodynamics and electrochemistry in the context of current chemistry research.

0241	Natalia White **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 9:20am TuTh 9:30am - 10:50am	Seats (Total: 24) CHM 1402 CHM 1224	 Discussion
0242	Natalia White **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 9:20am TuTh 9:30am - 10:50am	Seats (Total: 24) CHM 1402 CHM 0119	 Discussion
0243	Natalia White **Meets July 13, 2015 - August 23, 2015** MWF 8:00am - 9:20am TuTh 9:30am - 10:50am	Seats (Total: 24) CHM 1402 CHM 0122	 Discussion

CHEM272 **General Bioanalytical Chemistry Laboratory**

Credits: 2 Grading Method: Regular, Pass-Fail

Prerequisite: CHEM241 and CHEM242; or CHEM247. And a grade of C- or better in the prerequisites is required for College of Computer, Mathematical, and Natural Sciences majors and recommended for all students. Corequisite: CHEM271. Credit only granted for: CHEM227, CHEM272 or CHEM277.

An introduction to analytical chemistry with an emphasis on bio-analytical instrumentation and techniques.

Students must pay a $40.00 laboratory materials fee.

0241	Natalia White **Meets July 13, 2015 - August 23, 2015** TuTh 8:00am - 9:20am MWF 9:30am - 12:20pm	Seats (Total: 24) CHM 1402 CHM 1112	 Lab

0242	Natalia White **Meets July 13, 2015 - August 23, 2015** TuTh 8:00am - 9:20am MWF 9:30am - 12:20pm	Seats (Total: 24) CHM 1402 CHM 1128	 Lab
0243	Natalia White **Meets July 13, 2015 - August 23, 2015** TuTh 8:00am - 9:20am MWF 9:30am - 12:20pm	Seats (Total: 24) CHM 1402 CHM 1111	 Lab

CHEM398 **Special Projects**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Honors projects for undergraduate students.

0141	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CHEM399 **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399A **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0106	Neil Blough **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0112	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0141	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0194	Efrain Rodriguez **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Neil Blough **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0212	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0294	Efrain Rodriguez **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CHEM399B **Introduction to Chemical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0141	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0167	Herman Sintim **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0176	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0194	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0242	Paul Paukstelis **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0267	Herman Sintim **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0270	Nicole LaRonde **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0276	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CHEM399C **Introduction to Chemical Research**

(Perm req) Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0106	Neil Blough **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0141	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Neil Blough **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0241	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CHEM399X **Introduction to Chemical Research**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Prerequisite: permission of department.

0101	Michael Montague-Smith **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Michael Montague-Smith **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CHEM699 **Special Problems in Chemistry**

Credits: 1-6 Grading Method: Regular, Audit

Laboratory experience in a research environment.

Contact department for information to register for this course.

CHEM799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHEM898 **Pre-Candidacy Research**

Credits: 1 Grading Method: Regular, Sat-Fail

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0212	Bryan Eichhorn **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0283	Michael Zachariah **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

CHEM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CHIN Chinese Summer 2015

CHIN169A **Special Topics in Study Abroad I; Elementary Chinese I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169B **Special Topics in Study Abroad I; Elementary Chinese II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169C **Special Topics in Study Abroad I; Introduction to Chinese Language I**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN169D **Special Topics in Study Abroad I; Introduction to Chinese Lanuage II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN201 **Intermediate Spoken Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN102; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Emphasis on development of conversational skills with vocabulary build-up and controlled conversation.

Contact department for information to register for this course.

CHIN202 **Intermediate Written Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN103; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Reading and writing skills with emphasis on grammar and Chinese characters.

Contact department for information to register for this course.

CHIN203 **Intermediate Spoken Chinese II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN201; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continuation of CHIN201.

Contact department for information to register for this course.

CHIN204 **Intermediate Written Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department; or must have attained appropriate Foreign Language Placement Test (FLPT) score.

Continuation of CHIN202.

Contact department for information to register for this course.

CHIN221 **Intermediate Chinese I**

Credits: 6 Grading Method: Regular

Prerequisite: Must have complete CHIN103/104 or CHIN124.

Expanding the foundation in the four elementary skills of listening, speaking, reading and writing in Mandarin Chinese in a proficiency-based and communication-oriented approach.

Students may also contact the Chinese advisor at leeheitz@umd.edu for permission to register.

0101	Jungjung Lee-Heitz	Seats (Total: 15)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 9:00am - 12:00pm	JMZ 3205	
	MTuWThF 12:00pm - 2:00pm	JMZ 3205	Lab

CHIN224 **Intermediate Chinese II**

Credits: 6 Grading Method: Regular

CHIN224 Intermediate Chinese I. Expand the foundation in the four intermediate skills of listening, speaking, reading and writing in Mandarin Chinese in a proficiency-based and communication-oriented approach.

0201	Yuli Wang	Seats (Total: 15)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 9:00am - 12:00pm	JMZ 2206	
	MTuWThF 12:00pm - 2:00pm	JMZ 2206	Lab

CHIN269A **Special Topics in Study Abroad II; Exploring Confucius' China**

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269B **Special Topics in Study Abroad II; Chinese Business Issues and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269I **Special Topics in Study Abroad II; Intermediate Spoken Chinese I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269J **Special Topics in Study Abroad II; Intermediate Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269K **Special Topics in Study Abroad II; Intermediate Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269P **Special Topics in Study Abroad II; The China Phenomenon: Society, Politics and Business**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269V **Special Topics in Study Abroad II; Chinese Calligraphy I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269W **Special Topics in Study Abroad II; Chinese Calligraphy II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN269Z **Special Topics in Study Abroad II; Modern Chinese Culture and Society**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN301 **Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN202; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Readings in expository and fictional writing with conversation and composition.

Contact department for information to register for this course.

CHIN302 **Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHIN301; or students who have taken courses with comparable content may contact the department. And must have taken a placement interview offered by the department for Non-majors.

Continuation of CHIN301.

Contact department for information to register for this course.

CHIN369B **Special Topics in Study Abroad III; Advanced Chinese I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369C **Special Topics in Study Abroad III; Advanced Chinese II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHIN369E **Special Topics in Study Abroad III; Advanced Chinese IV**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CHPH Chemical Physics Summer 2015

CHPH718D **Special Topics in Chemical Physics; Sodium Spinor Bose-Einstein Condensation**

Credits: 3 Grading Method: Regular, Audit

A discussion of current research problems in chemical physics.

0149	Paul Lett	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

CHPH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CHPH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CHPH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

CLAS Classics Summer 2015

CLAS170 **Greek and Roman Mythology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Also offered as: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

An introduction to the mythology of ancient Greece and Rome. This cours is particularly recommended for students planning to major in foreign languages, English, history, the fine arts, or journalism. Taught in English.

0201	Rachel Mullervy **Meets July 13, 2015 - August 23, 2015** MTuWTh 10:00am - 11:40am	Seats (Total: 15) KEY 0125
WB11	William Proffitt **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB21	Gregory Staley **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE
XA21	Rachel Mullervy **Meets July 13, 2015 - August 23, 2015** MTuWTh 10:00am - 11:40am	Seats (Total: 0) KEY 0125

CLAS369K **Special Topics in Study Abroad III; History and Archaeology of Corinth and Its Environs in Ancient Greece**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

CLAS380 **Archaeological Fieldwork in Greece**

Credits: 4 | Grading Method: Regular | General Education: DSHS, DSHU

Credit only granted for: CLAS369K or CLAS380. Formerly: CLAS369K.

Students will learn about the archaeology, history and culture of Greece by participating in the archaeological investigations at Kenchreai, the eastern port of ancient Corinth. Students will learn about data analysis, artifact processing, and conservation, all important components in archaeological fieldwork. This program also gives students a rare chance to live and to learn in one of the most archaeologically rich, historically important, and naturally beautiful regions in Greece, the northeastern Peloponnese. Students will visit sites and museums throughout this region, attend seminars, and experience life in a small village. In this way they will learn not only about the practice of archaeological field research, but also about Greek history and culture from ancient to modern times. While the course focuses on southern Greece during the Roman Empire and Late Antiquity, a period of prosperity and diversity at Kenchreai and in its broader area, students will also explore cultural and historical developments that influenced other regions and longer periods, from the Bronze Age to the Modern era, including religion and cult-practice, art and iconography, settlement and the environment, and the construction of identity.

Contact department for information to register for this course.

CLAS499 **Independent Study in Classical Languages and Literatures**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLAS499P **Independent Study in Classical Languages and Literatures; Classical Myths in Europe: Paris**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLAS699 **Independent Study in Classical Civilization**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Contact department for information to register for this course.

CLAS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Summer 2015

CLFS001 **Life Science Assessment Test**

Credits: 0

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

CLFS608 **Seminar in Current Topics in Chemical and Life Science; Scholarly Paper**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Contact the Office of Extended Studies (oes@umd.edu) to register for this class.

Contact department for information to register for this course.

CLFS609D **Special Topics; Microbiology**

Credits: 3

Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Robert Hall	Seats (Total: 20)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609E **Special Topics; Immunology**

Credits: 3

Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Carol Pontzer	Seats (Total: 30)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609G **Special Topics; Biology of Cancer**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Philip Ryan	Seats (Total: 20)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609J **Special Topics; Evolutionary Biology**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Janet Norcross	Seats (Total: 31)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS640 **Human Physiology**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Two years of teaching experience; and CLFS510. Restriction: Must be in Master of Chemical & Life Sciences (Master's) program; and permission of CMNS-Chemical & Life Sciences department.

Examination of the major organ system of the human body and of the neural and hormonal mechanisms responsible for their regulation and control.

PL01	John Kapp, William Higgins	Seats (Total: 20)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS655 **The Chemistry and Applications of Electrochemical Cells**

Credits: 3 Grading Method: Regular, Audit

Chemistry of electrochemical cells including the thermodynamic basis for the production of electrical energy by cells, the chemical reactions utilized by the most common cells, the manufacture of cells, and the application of cells in energy production.

PL01	Marjan Alaghmand	Seats (Total: 20)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS725 **Experimental Design**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.

Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of orginal experiments for a series of research problems.

PL01	Bretton Kent	Seats (Total: 30)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CMSC Computer Science Summer 2015

CMSC122 **Introduction to Computer Programming via the Web**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSSP

Restriction: Must not have completed any courses from CMSC131-499 course range; and must not be concurrently enrolled in CMSC131. Credit only granted for: CMSC122 or CMSC198N. Formerly: CMSC198N.

Introduction to computer programming in the context of developing full featured dynamic web sites. Uses a problem solving approach to teach basics of program design and implementation using JavaScript; relates these skills to creation of dynamic web sites; then explores both the potential and limits of web-based information sources for use in research. Intended to help relate a student's major to these emerging technologies.

YS41	Nelson Padua-Perez	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:30am - 12:30pm	CSI 1121
	This section is part of the Young Scholars Program. Enrollment is by permission only. Please access the Summer Programs website for further information.	

CMSC131 **Object-Oriented Programming I**

(Perm req)

Credits: 4 Grading Method: Regular

Corequisite: MATH140; and permission of CMNS-Computer Science department.

Introduction to programming and computer science. Emphasizes understanding and implementation of applications using object-oriented techniques. Develops skills such as program design and testing as well as implementation of programs using a graphical IDE. Programming done in Java.

For CMSC majors only.

0101	Fawzi Emad	Seats (Total: 60)
	Meets June 1, 2015 - August 7, 2015	
	MTuWThF 11:00am - 12:20pm	CSI 3117

CMSC132 **Object-Oriented Programming II**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; or must have earned a score of 5 on the A Java AP exam. Or permission of the department based on satisfactory performance on the department placement exam; and minimum grade of C- in MATH140; and permission of CMNS-Computer Science department.

Introduction to use of computers to solve problems using software engineering principles. Design, build, test, and debug medium -size software systems and learn to use relevant tools. Use object-oriented methods to create effective and efficient problem solutions. Use and implement application programming interfaces (APIs). Programming done in Java.

0101	Niwaer Ai	Seats (Total: 70)
	Meets June 1, 2015 - August 7, 2015	
	MTuWThF 11:40am - 1:00pm	CSI 2117

CMSC198B **Special Topics in Computer Science for Non-Majors; A Hands Off Approach**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

A course designed to allow non-computer science majors and non-computer engineering majors to pursue a specialized topic or project.

YS41	William Gasarch	Seats (Total: 24)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 10:00am - 1:00pm	JMP 1202
	This section is part of The Young Scholars Program. Enrollment by permission only.	

CMSC216 **Introduction to Computer Systems**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC132; and minimum grade of C- in MATH141. Corequisite: CMSC250. Credit only granted for: CMSC212, (CMSC213 and CMSC313), or CMSC216.

Machine representation of data including integers and floating point. Modern computer architectural features and their interaction with software (registers, caches). Interaction between user programs and the OS: system class, process, and thread management. Optimizing software to improve runtime performance using both compilers and hand turning.

0101	Nelson Padua-Perez	Seats (Total: 69)
	Meets June 1, 2015 - August 7, 2015	
	MTuWThF 2:00pm - 3:20pm	CSI 2117

CMSC250 **Discrete Structures**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC131; and minimum grade of C- in MATH141. Restriction: Permission of CMNS-Computer Science department. Formerly: CMSC150.

Fundamental mathematical concepts related to computer science, includin finite and infinite sets, relations, functions, and propositional logic. Introduction to other techniques, modeling and solving problems in computer science. Introduction to permutations, combinations, graphs, and trees with selected applications.

0101	Yoav Segev	Seats (Total: 45)
	Meets June 1, 2015 - July 24, 2015	
	MTuWThF 9:20am - 10:50am	CSI 1122

CMSC298A **Special Topics in Computer Science**

Credits: 1-3 Grading Method: Sat-Fail

A course designed to allow a lower level student to pursue a specialize topic or project.

Contact department for information to register for this course.

CMSC330 **Organization of Programming Languages**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department.

The semantics of programming languages and their run-time organization. Several different models of languages are discussed, including procedural (e.g., C, Pascal), functional (e.g., ML, LISP), rule-based (e.g., Prolog), and object-oriented (e.g., C++, Smalltalk). Run-time structures, including dynamic versus static scope rules, storage for strings, arrays, records, and object inheritance are explored.

0101	Kristopher Micinski	Seats (Total: 44)
	Meets June 1, 2015 - July 24, 2015	
	MTuWThF 2:30pm - 3:50pm	CSI 1122

CMSC351 **Algorithms**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC250 and CMSC216; and permission of CMNS-Computer Science department. Credit only granted for: CMSC251 or CMSC351. Additional information: CMSC351 may not count as one of the required upper level CMSC courses for students who are required to have 24 upper level CMSC credits for graduation, i.e. for students who became computer science majors prior to Fall, 2002.

A systematic study of the complexity of some elementary algorithms related to sorting, graphs and trees, and combinatorics. Algorithms are analyzed using mathematical techniques to solve recurrences and summations.

0101	Clyde Kruskal	Seats (Total: 50)
	Meets June 1, 2015 - July 10, 2015	
	MTuWThF 9:30am - 10:55am	CSI 3117

CMSC389N **Special Topics in Computer Science; Introduction to PHP and JavaScript**

(Perm req)

Credits: 3 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250. An introduction to the development of Web-based applications using PHP, JavaScript, MySQL, and Apache. The course covers fundamental programming language constructs of both PHP and JavaScript, forms, sessions, interation with MySQL via PHP, DOM, and JavaScript event-handling. In addition, popular JavaScript libraries (e.g., JQuery, Angular) will be discussed.

0101	Nelson Padua-Perez	Seats (Total: 39)
	Meets June 1, 2015 - July 12, 2015	
	MWF 9:25am - 11:30am	CSI 2117

CMSC411 **Computer Systems Architecture**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC330; or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program. Restriction: Permission of CMNS-Computer Science department.

Input/output processors and techniques. Intra-system communication, buses, caches. Addressing and memory hierarchies. Microprogramming, parallelism, and pipelining.

0201	Michelle Hugue	Seats (Total: 50)
	Meets July 13, 2015 - August 21, 2015	
	MTuWThF 11:00am - 12:20pm	CSI 1122

CMSC420 **Data Structures**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CMSC351 and CMSC330; and permission of CMNS-Computer Science department. Or must be in the (Computer Science (Doctoral), Computer Science (Master's)) program.

Description, properties, and storage allocation of data structures including lists and trees. Algorithms for manipulating structures. Applications from areas such as data processing, information retrieval, symbol manipulation, and operating systems.

0101	Michelle Hugue	Seats (Total: 75)
	Meets June 1, 2015 - July 24, 2015	
	MTuWTh 12:30pm - 1:55pm	CSI 3117

CMSC498A **Selected Topics in Computer Science**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Contact department for information to register for this course.

CMSC499A **Independent Undergraduate Research**

Credits: 1-3

Grading Method: Regular

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

0101	Hanan Samet **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0175	Mihai Pop **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Jennifer Golbeck **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0250	John Aloimonos **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0275	Mihai Pop **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

CMSC798 **Graduate Seminar in Computer Science**

Credits: 1-3

Grading Method: Regular, Audit

0101	Ashok Agrawala **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0102	John Aloimonos **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0103	Victor Basili **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0104	Larry Davis **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0105	Bonnie Dorr **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0106	Howard Elman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0107	Hal Daume **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0108	Manoj Franklin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0109	Jeffrey Foster **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0110	William Gasarch **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0111	Hector Bravo **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0112	James Hendler **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0113	Jeffrey Hollingsworth **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0114	Peter Keleher **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0115	Samir Khuller **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0116	Elaine Shi **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0119	David Mount **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0120	Dana Nau **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0121	Dianne O'Leary **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0122	Donald Perlis **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0123	Adam Porter **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0124	William Pugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0125	James Purtilo **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0126	James Reggia **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0127	Nicholas Roussopoulos **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0129	Hanan Samet **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0130	A.U. Shankar **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0131	Ben Shneiderman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0133	Gilbert Stewart **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0134	Venkatramanan Subrahmanian **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0135	Chau-Wen Tseng **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0140	Ben Bederson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0141	Amy Weinberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0142	Samrat Bhattacharjee **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0144	Amitabh Varshney **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0145	William Arbaugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0147	Ramalingam Chellappa **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0148	Aravind Srinivasan **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0149	Alan Sussman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0150	Atif Memon **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0155	Michael Cummings **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0156	Lise Getoor **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0158	Allison Druin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0159	Francois Guimbretiere **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0160	David Jacobs **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0161	Louiqa Raschid **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0162	Michel Cukier **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0163	Michael Hicks **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0164	Jonathan Katz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0165	Philip Resnik **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0166	Leila Defloriani **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0167	Amol Deshpande **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0168	Ramani Duraiswami **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0169	Steven Salzberg **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0170	Neil Spring **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0171	Uzi Vishkin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0175	Mihai Pop **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0176	Jon Froehlich **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0178	John Horty **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0179	Michelle Hugue **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0181	Douglas Oard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0184	Walter Cleaveland **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0185	Jimmy Lin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0186	Vibha Sazawal **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0187	Jordan Boyd-Graber **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Ashok Agrawala **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0202	John Aloimonos **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0203	Victor Basili **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0204	Larry Davis **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0205	Bonnie Dorr **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0206	Howard Elman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0207	Hal Daume **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0208	Manoj Franklin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0209	Jeffrey Foster **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0210	William Gasarch **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0211	Hector Bravo **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0212	James Hendler **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0213	Jeffrey Hollingsworth **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0214	Peter Keleher **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0215	Samir Khuller **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0216	Elaine Shi **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0219	David Mount **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0220	Douglas Oard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0222	Donald Perlis **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0223	Adam Porter **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0224	William Pugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0225	James Purtilo **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0226	James Reggia **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0227	Nicholas Roussopoulos **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0229	Hanan Samet **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0230	A.U. Shankar **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0231	Ben Shneiderman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0233	Gilbert Stewart **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0234	Venkatramanan Subrahmanian **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0235	Chau-Wen Tseng **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0240	Ben Bederson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0241	Amy Weinberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0242	Samrat Bhattacharjee **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0244	Amitabh Varshney **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0245	William Arbaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0247	Ramalingam Chellappa **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0248	Aravind Srinivasan **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0249	Alan Sussman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0250	Atif Memon **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0255	Michael Cummings **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0256	Lise Getoor **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0258	Allison Druin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0259	Francois Guimbretiere **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0260	David Jacobs **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0261	Louiqa Raschid **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0262	Michel Cukier **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0263	Michael Hicks **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0264	Jonathan Katz **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0265	Philip Resnik **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0266	Leila Defloriani **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0267	Amol Deshpande **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0268	Ramani Duraiswami **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0269	Steven Salzberg **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0270	Neil Spring **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0271	Uzi Vishkin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0275	Mihai Pop **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0276	Jon Froehlich **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0278	John Horty **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0279	Michelle Hugue **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0280	Dianne O'Leary **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0284	Walter Cleaveland **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0285	Jimmy Lin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0286	Vibha Sazawal **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0287	Jordan Boyd-Graber **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

CMSC798A **Graduate Seminar in Computer Science**

(Perm req)

Credits: 1

Grading Method: Regular, Audit

Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

COMM Communication Summer 2015

COMM107 **Oral Communication: Principles and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Julio Bermejo **Meets June 1, 2015 - July 12, 2015** TuTh 6:30pm - 9:50pm	Seats (Total: 19) PLS 1180
0102	Josie Moore **Meets June 1, 2015 - July 12, 2015** MW 6:30pm - 9:50pm	Seats (Total: 19) PLS 1117
0201	Nma Obike **Meets July 13, 2015 - August 23, 2015** MW 6:30pm - 9:50pm	Seats (Total: 19) SKN 0104

0202	Irina Iles	Seats (Total: 19)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 6:30pm - 9:50pm	SKN 0104

COMM231 **News Writing and Reporting for Public Relations**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Communication program; and (sophomore standing; or junior standing). Or permission of ARHU-Communication department. Credit only granted for: JOUR201, JOUR201P, JOUR231, or COMM231. Formerly: JOUR231.

Introduction to writing and researching news and information media for public relations; laboratory in news-gathering tools and writing techniques for public relations.

0101	Susan Simon	Seats (Total: 18)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 2:00pm - 5:20pm	EGR 3140

COMM232 **News Editing for Public Relations**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in COMM231; or students who have taken courses with comparable content may contact the department. And permission of ARHU-Communication department. Restriction: Must be in Communication program. Credit only granted for: JOUR202, JOUR202P, JOUR232, or COMM232. Formerly: JOUR232.

Copy editing, graphic principles and processes, news and information technologies for public relations.

0201	Pamela Grant	Seats (Total: 18)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 9:00am - 12:20pm	EGR 3140

COMM250 **Introduction to Communication Inquiry**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An introduction to the field of communication. Definitions, models, and contexts of communication; rhetorical theory and rhetorical criticism of discourse.

0101	Lauren Bender **Meets June 1, 2015 - July 12, 2015** TuTh 10:00am - 1:20pm	Seats (Total: 40) TYD 0111

COMM288 **Communication Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

I101	Julie Gowin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 50)
I102	Julie Gowin **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 75)
I201	Julie Gowin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 50)

COMM298L **Selected Topics in Communication; Speak Up!: People, Publics, and You**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topical study of contemporary issues in communication.

YS41	Melissa Lucas, Savreen Hundal **Meets July 13, 2015 - July 31, 2015** MTuWThF 9:00am - 12:00pm *This section is part of The Young Scholars Program. Enrollment by permission only.*	Seats (Total: 35) SKN 0104

COMM330 **Argumentation and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

0201	Meridith Styer	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 1:00pm - 4:20pm	SKN 1115

COMM360 **The Rhetoric of Black America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

0101	Jessica Lu	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	MW 6:30pm - 9:50pm	SKN 0104

COMM369B **Special Topics in Study Abroad III; British Documentary Tradition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM369D **Special Topics in Study Abroad III; Digital Media in London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM369O **Special Topics in Study Abroad III; Organizational Communication in Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

I101	Julie Gowin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 75)
I102	Julie Gowin **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 75)
I202	Julie Gowin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 75)
SG01	Lindsi Baltz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
SG02	Lindsi Baltz **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

COMM388 **Communication Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM398V **Selected Topics in Communication; Environmental Communications**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

0201	Jade Olson **Meets July 13, 2015 - August 23, 2015** MW 9:00am - 12:20pm	Seats (Total: 35) TYD 1114

COMM398W **Selected Topics in Communication; Web Design**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

02Z1	Robert Coleman	Seats (Total: 23)
	Meets July 13, 2015 - August 23, 2015	
	MW 1:00pm - 4:20pm	BLD3 3226
	This section meets at the Shady Grove campus.	

COMM399 **Honors Thesis**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

COMM400 **Research Methods in Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250; and must have an introductory course in statistics. Restriction: Must be in Communication program.

Philosophy of scientific method; role of theory; research ethics; empirical research methods (measurement, sampling, design, analysis).

0101	Anita Seate	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 1:00pm - 4:20pm	KEY 0124

COMM401 **Interpreting Strategic Discourse**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Jon Hoffman	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	MW 9:00am - 12:20pm	CHM 1224

COMM402 **Communication Theory and Process**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Philosophical and conceptual analysis of communication theories.

Restriction: Must be in the Communication major.

0201	Amber Westcott-Baker	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	TuWTh 1:00pm - 3:15pm	KEY 0125

COMM425 **Negotiation and Conflict Management**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Role of communication in shaping negotiation and conflict processes and outcomes.

0101	Lauren Edelstein	Seats (Total: 45)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 1:00pm - 4:20pm	KEY 0102

COMM470 **Listening**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The principles of listening behavior.

0101	Andrew Wolvin	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:00am - 12:20pm	SKN 0104

COMM482 **Intercultural Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

The major variables of communication in an intercultural context: cultural, racial and national differences; stereotypes; values; cultural assumptions; and verbal and nonverbal channels.

Contact department for information to register for this course.

COMM489 **Topical Research; Topical Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individualized research projects conducted with a faculty sponsor.

Contact department for information to register for this course.

COMM798 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

Contact department for information to register for this course.

COMM799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Summer 2015

CONS609I **Special Topics in Conservation Biology**

Credits: 1 Grading Method: Regular, Sat-Fail

Lectures, experimental courses and other special instructions in variou subjects in conservation biology.

0101	Karen Lips **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 50)
I101	Karen Lips **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 50)

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

(Perm req)

Credits: 1-4 Grading Method: Regular, Sat-Fail

Work on the required scholarly paper.

Contact department for information to register for this course.

CPSP College Park Scholars Program Summer 2015

CPSP239J **Practicum: Internship**

Credits: 1-3 Grading Method: Regular

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

I101	Kalyani Chadha **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 15)
I201	Kalyani Chadha **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 15)

CPSP239P **Practicum: Internship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

I101	Jennifer Littlefield **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
I201	Jennifer Littlefield **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

CPSP379K **Advanced Practicum: Study Abroad; London: Cultural Capital**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

ECON Economics Summer 2015

ECON111 **Thinking Like an Economist**

Credits: 3 | Grading Method: Regular | General Education: DSHS, SCIS

Restriction: Sophomore standing or lower; or permission of BSOS-Economics department.

An introduction to the modes of thought of economics. Use of simple standard tools of economics to analyze important problems that arise frequently in public policy, the news media, and in daily life. An emphasis on how economists predict what choices societies make and how economists analyze whether those are good choices. Practical application of a variety of economic tools leading to a focus on the essential unity underlying these analytical tools, viewing economics as a discipline that applies a core methodology in different ways in different situations.

YS41	Brian Witzen	Seats (Total: 22)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:30am - 12:30pm	KEY 0124
	This section is part of the Young Scholars Program. Enrollment is by permission only. Please access the Summer Programs website for further information.	

ECON155 **Economics & the College Affordability Crisis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, SCIS

Additional information: No background in economics is required, although this course could be a nice complement for ECON200 and ECON201.

Why have tuition and fees increased substantially over the past 30 years at almost all institutions of higher education in the US? How can quality and productivity be measured in schools? Why do most students pay considerably less than the actual cost of service provision? What is society's interest in devoting considerable resources to education beyond the high school level? How do existing and proposed governmental policies impact both the number of students pursuing a college education and the cost of this education? ECON155 uses tools from economics to examine and explore answers to these and other related questions.

0201	Cindy Clement	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 12:00pm - 3:10pm	KEY 0120

ECON200 **Principles of Micro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models of the behavior of individual consumers and business firms, problems of international trade, the distribution of income, policies for eliminating poverty and discrimination, the problems of environmental pollution, and the impact of different market structures upon economic activity.

WB11	Scott Ohlmacher **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 62) ONLINE
WB21	Thomas Hegland **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 60) ONLINE

ECON201 **Principles of Macro-Economics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Prerequisite: MATH110; or must have math eligibility of MATH111 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to the problems of unemployment, inflation, and economi growth. Emphasis on roles of monetary and fiscal policy in the conduct of macroeconomic policy.

WB11	Xing Hong **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 60) ONLINE
WB21	Veronika Penciakova **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 60) ONLINE

ECON300 **Methods and Tools for Economic Analysis**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Restriction: Must be in a major within BSOS-Economics department; and must not have completed MATH240 or MATH241.

Covers several mathematics techniques and demonstrates their application to a wide variety of models and problems in both microeconomic and macroeconomic analysis. Reviews concepts from algebra and elementary calculus and introduces components of multivariable calculus, linear algebra and differential equations.

0101	Ricardo Espinoza Gonzalez **Meets June 1, 2015 - July 12, 2015** TuTh 5:30pm - 8:55pm	Seats (Total: 40) TYD 0101
0201	Ian Chadd **Meets July 13, 2015 - August 23, 2015** MW 12:00pm - 3:10pm	Seats (Total: 40) TYD 1132

ECON305 **Intermediate Macroeconomic Theory and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON305 or ECON325. Additional information: ECON325, Intermediate Macroeconomic Analysis, is a different course designed specifically for economics majors. ECON325 is accepted for ECON major requirements, but ECON305 is not.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0201	Ami Shrestha **Meets July 13, 2015 - August 23, 2015** TuTh 9:00am - 12:10pm	Seats (Total: 40) TYD 2109

ECON306 **Intermediate Microeconomic Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200 or AREC250; and ECON201; and (MATH220, MATH140, or MATH130). Credit only granted for: ECON306, ECON326, AREC489M, or AREC326. Additional information: ECON306, Intermediate Microeconomic Theory, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not.

Analysis of the theories of consumer behavior and of the firm, market systems, distribution theory and the role of externalities.

0101	Yang Xu	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 5:30pm - 8:55pm	TYD 2108

ECON314 **Economic History, Development and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON200 and ECON201.

Study abroad in the economic history, institutional development, and recent economic policy problems of selected areas.

Contact department for information to register for this course.

ECON315 **Economic Development of Underdeveloped Areas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Credit only granted for: ECON315 or ECON416.

Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Stefania Scandizzo	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 12:00pm - 3:25pm	TYD 1132

ECON321 **Economic Statistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON201 and ECON200; and 1 course with a minimum grade of C- from (MATH140, MATH220, MATH130). Recommended: STAT100. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200 or SOCY201.

Introduction to the use of statistics in economics. Topics include: Probability, random variables and their distributions, sampling theory, estimation, hypothesis testing, analysis of variance, regression analysis and correlation.

0101	Hsuan Yu **Meets June 1, 2015 - July 12, 2015** TuTh 6:00pm - 9:25pm	Seats (Total: 40) TYD 2109
0201	Zi-Ying Mao **Meets July 13, 2015 - August 23, 2015** MW 12:00pm - 3:10pm	Seats (Total: 40) SKN 0104

ECON325 **Intermediate Macroeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON305 or ECON325. Additional information: ECON305, Intermediate Macroeconomic Theory and Policy, is a different course designed for other majors besides ECON. ECON325 is accepted for major requirements, but ECON305 is not.

Analysis of macroeconomic behavior and policy with emphasis on theoretical rigor. Topics include the determinants of economic growth, unemployment, inflation, and international economic flows.

0101	Burak Turkgulu **Meets June 1, 2015 - July 12, 2015** MW 9:00am - 12:25pm	Seats (Total: 40) TYD 0101
0201	Cristian Sanchez Montesinos **Meets July 13, 2015 - August 23, 2015** TuTh 6:00pm - 9:10pm	Seats (Total: 40) TYD 2108

ECON326 **Intermediate Microeconomic Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON300. Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON306 or ECON326. Additional information: ECON306, Intermediate Microeconomic Theory and Policy, is a different course designed for other majors besides economics. ECON326 is accepted for ECON major requirements, but ECON306 is not.

Analysis of economic decision-making by individual buyers and sellers, and resulting market outcomes, with emphasis on theoretical rigor. The efficient properties of perfect competition are examined, followed by consideration of market power, externalities, and asymmetric information.

0101	Yong Paek **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:25pm	Seats (Total: 40) TYD 2111
0201	Svetlana Pivovarova **Meets July 13, 2015 - August 23, 2015** MW 6:00pm - 9:10pm	Seats (Total: 40) TYD 1102

ECON330 **Money and Banking**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	Camilo Morales-Jimenez **Meets June 1, 2015 - July 12, 2015** MW 5:30pm - 8:55pm	Seats (Total: 40) TYD 2108
0201	Joonkyu Choi **Meets July 13, 2015 - August 23, 2015** TuTh 6:00pm - 9:10pm	Seats (Total: 40) TYD 0111

ECON340 **International Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON201 and ECON200. Credit only granted for: ECON340 or ECON441.

Covers economic models of international transactions, exchange rates, and balance of payments. Analysis of policies of protection, devaluation, and exchange rate stabilization and their consequences.

0201	Marcelo Teixeira **Meets July 13, 2015 - August 23, 2015** MW 6:00pm - 9:10pm	Seats (Total: 40) TYD 1132

ECON386 **Experiential Learning**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Prerequisite: ECON201 and ECON200. Restriction: Permission of BSOS-Economics department; and must be in a major within BSOS-Economics department; and minimum cumulative GPA of 2.75; and junior standing or higher.

See Department Advising Office for course eligibility, course requirements, and application information.

Contact department for information to register for this course.

ECON399 **Individual Readings and Research For Undergraduates**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Individual Instruction course: contact department or instructor to obtain section number. Open only to students who have previously earned 6 or more credits in 400-level economics courses.

Prerequisite: six hours of upper division economics courses.

Contact department for information to register for this course.

ECON414 **Game Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.

Studies the competitive and cooperative behavior that results when several parties with conflicting interests must work together. Learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

0201	Gustavo Saraiva	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 5:30pm - 8:40pm	TYD 1132

ECON422 **Econometrics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON422, AREC422, or AREC489F.

Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0201	Youngjin Yun	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 9:00am - 12:10pm	TYD 1101

ECON424 **Computer Methods in Economics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department.

Database development from Internet and other sources, research methods, and statistical analysis in economics using EXCEL and SAS.

0101	Stephanie Rennane	Seats (Total: 38)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:00am - 12:25pm	LEF 0229
0201	Diyue Guo	Seats (Total: 38)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 1:00pm - 4:10pm	LEF 0229

ECON435 **Financial Markets and the Macroeconomy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON325 and ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed BMGT343. Credit only granted for: BMGT343 or ECON435. Additional information: Finance majors will not receive credit for ECON435.

The different types of financial assets that exist, the markets that they trade in, and the determination of their prices and rates of return are examined. Specific topics that will be covered include the Markowitz portfolio selection model, the capital asset pricing model, the arbitrage pricing theory, the efficient markets hypothesis, the term structure of interest rates, and options. There will be almost no emphasis on issues in corporate finance.

0101	Dun Jia	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 6:00pm - 9:25pm	TYD 2111

ECON442 **Globalization and Capital Markets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326 and ECON325; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department; and must not have completed ECON441. Credit only granted for: ECON441 or ECON442.

Uses models of open-economy macroeconomics to explain the causes and consequences of international capital flows. Analysis is made of private consumption, investment, the government sector, current accounts, the labor market, and the money and foreign exchange markets in small open economies. This framework is then used to study examples of how speculative attacks on currencies, sudden reversals of capital inflows, and the effects of the lack of credibility of economic policy affect economic development.

0101	David Moreno Soto	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MW 12:00pm - 3:25pm	TYD 0111

ECON454 **Public Finance and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON326; and 1 course with a minimum grade of C- from (ECON321, STAT400). Restriction: Must be in a major within the BSOS-Economics department. Credit only granted for: ECON350 or ECON454.

Study of welfare economics and the theory of public goods, taxation, public expenditures, benefit-cost analysis, and state and local finance. Applications of theory to current policy issues.

0101	Kenneth Coriale	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	MW 6:00pm - 9:25pm	TYD 2109

ECON642 **Topics in Applied Macroeconomics**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.

Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.

Click here for more course information.

PR01	Lauren Bresnahan	Seats (Total: 24)
	Meets June 1, 2015 - August 21, 2015	
	W 6:45pm - 9:30pm Contact instructor or department for details.	Location: TBA
	Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.	

ECON644 **Empirical Analysis II: Introduction to Economic Models**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON643.

An introduction to econometric methods with applications to public policy analysis. Primary focus on application and interpretation of multiple regression analysis.

Click here for more course information.

PR01	Maksim Belenkiy	Seats (Total: 24)	
	Meets June 1, 2015 - August 21, 2015		
	M 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.		

ECON672 **Program Analysis and Evaluation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641 and ECON645.

Students study the tools used to evaluate the effectiveness of public policies. All evaluations have weaknesses, and some have more weaknesses than others. You will learn how to distinguish high from low quality evaluations. We will discuss the basic economics and econometrics of program evaluation, focusing on the application of methods used for causal inference and cost-benefit analyses in public policy contexts. We will examine published evaluation research with the intent of showing how the research does or does not lead to clear conclusions regarding program performance.

Restricted to students in Master of Professional Studies in Applied Economics program, This course meets at 1400 16th Street NW, Washington DC.

Click here for more course information.

PR01	Laura Kawano	Seats (Total: 24)
	Meets June 1, 2015 - August 21, 2015	
	M 6:45pm - 9:30pm Contact instructor or department for details.	Location: TBA
	Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.	

ECON684 **Applied Time Series Analysis and Forecasting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON642; and ECON645. Restriction: Must be in M.Prof.Studies: Applied Economics program.

This course builds on the brief introduction to time series econometrics offered in ECON 645. Students will learn the theory of stationary processes and how it applies to econometric techniques for estimation and forecasting based on time series data. The techniques will be applied in macroeconomic, financial and business applications.

Click here for more course information.

PR01	Francisco Vazquez-Grande	Seats (Total: 27)	
	Meets June 1, 2015 - August 21, 2015		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Class meets at 1400 16th Street NW, Washington DC. Restricted to students in Professional Economics Program.		

ECON698 **Selected Topics in Economics**

Credits: 3 Grading Method: Regular, Audit

0142	John Shea	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

ECON799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ECON898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCI Curriculum and Instruction Summer 2015

EDCI243 **Literature, Mass Media, and Schooling: The Formation of Group and Individual Identity**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL, D General Education: DSHU, DVCC, DVUP

An examination of the ways various media represent dominant and non-dominant identities and the parameters for acceptable social behavior, and how these sociocultural forces shape personal identities, cultural competence and interpersonal power dynamics.

0101	James Groff	Seats (Total: 30)
	Meets June 8, 2015 - July 10, 2015	
	MWF 11:40am - 2:30pm	EDU 1121

EDCI246 **Good Stories: Teaching Narratives for Peace and Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HL General Education: DSHU, SCIS

Through the study and use of oral storytelling and digital technologies explore qualities and characteristics of what makes a good story and how stories can be used to advance peace and justice on both individual and social levels.

HY11	Joseph McCaleb	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MTuW 9:30am - 11:45am	PHY 1219
	Class time/details on ELMs	ONLINE

EDCI397 **Principles and Methods of Teaching in Elementary Schools**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Elementary Education program; and minimum cumulative GPA of 2.75. Or permission of EDUC-Teaching, Learning, Policy and Leadership department.

Teaching strategies, classroom interactive techniques, and procedures for planning and evaluating instruction in elementary schools. Emphasis on principles of effective instruction, classroom management, and adaptation of instruction for various student populations.

0301	Jessica Haddaway	Seats (Total: 25)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 1:00pm - 4:10pm	EDU 2102

EDCI405 **Art Education Methods I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Secondary Educ: Art program; or must be in Secondary Educ: Art pre-major program. And minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI300 or EDCI405. Formerly: EDCI300.

Methods I provides future art teachers with a knowledge base of the theories and best practices of effective pedagogy for: teaching methods and strategies, diversity, motivational techniques, classroom management, assessment and evaluation methods, and accommodating all students including those with special needs.

Contact department for information to register for this course.

EDCI410 **Methods I: K-12 World Language Methods and Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI330 or EDCI410. Formerly: EDCI330.

The first of two sequential courses required for achieving competence i teaching a foreign language. The sequel to this course is EDCI433 (Methods II) entitled: Advanced K-12 Foreign Language Methods and Technology. EDCI410 requires on-going examination of theories relevant to language acquisition. Students will also investigate the instructional methods that reflect those theories. Lab and field experiences required.

Contact department for information to register for this course.

EDCI411 **Knowledge, Reasoning, and Learning in Science**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI370 or EDCI411. Formerly: EDCI370.

For prospective science teachers. Investigations of the nature of knowledge, reasoning, and learning in middle and secondary science. Readings from cognitive science and science education research; studies of student thinking in interview and classroom observations; analyses of curricula. Includes laboratory and field experiences.

Department permission required. EDCI MCERT Outreach Offering.

Contact department for information to register for this course.

EDCI416 **Teaching and Learning in Secondary Education: English**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Credit only granted for: EDCI340 or EDCI416. Formerly: EDCI340.

An introduction for prospective middle and secondary English teachers into the basic issues, concepts, orientations, and processes that shape the teaching of English for diverse students in schools. Candidates explore their own perspectives in relation to local and national trends and develop basic teaching understanding and skills through on-campus seminars, teaching laboratory experiences, and guided field experiences. Students should reserve one full day or two half days per week for field experience.

Contact department for information to register for this course.

EDCI426 **Knowledge, Reasoning, and Learning in Secondary Social Studies**

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department; and minimum cumulative GPA of 2.75.

An exploration of the nature of knowledge and reasoning in social studies disciplines as well as how students learn social studies. Assessment and investigation of students' conceptions and misconceptions as well as their disciplinary thinking. Implications for teaching and initial lesson design are explored through on-campus seminars as well as guided field experiences. Students should reserve a regular half-day per week for the field experience in local schools. This course is required for admission to the secondary social studies double major.

Department permission required. EDCI MCERT Outreach Offering.

Contact department for information to register for this course.

EDCI432 **Issues in the Education of English Language Learners**

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI432 or EDCI488Q. Formerly: EDCI488Q.

Introduction to and analysis of current and historical research, practice, trends, and public policy issues in education as they relate to English language learners in K-12 and other settings.

WB11	Jeff MacSwan	Seats (Total: 15)
	Meets June 1, 2015 - June 27, 2015	
	Class time/details on ELMs	ONLINE

EDCI435 **Teaching English Language Learners Reading and Writing in the Secondary Content Areas**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Analysis of approaches to curriculum, current research, theory, and pedagogy of reading and writing to second language students from diverse cultural and linguistic backgrounds. State Approved. Required for TESOL certification program.

Contact department for information to register for this course.

EDCI443 **Literature for Children and Youth**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Elementary Education program; or must be a Pre-Education Major.

Analysis of literary materials for children and youth. Timeless and ageless books, and outstanding examples of contemporary publishing. Evaluation of the contributions of individual authors, illustrators and children's book awards.

Contact department for information to register for this course.

EDCI457 **Teaching and Learning Middle School Mathematics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Minimum cumulative GPA of 2.75; and permission of EDUC-Teaching, Learning, Policy and Leadership department.

Methods of teaching and assessing the middle school mathematics curriculum. Understanding the conceptual difficulties students have in moving from whole numbers to rational numbers, additive thinking to multiplicative thinking, and arithmetic to algebra. Lesson planning and selection of technology and other materials are applied in the context of supervised tutoring of students having difficulty in middle school mathematics. Lab and field experience required. Supervised tutoring takes place on site at a local middle school therefore EDCI 457 students will be expected to travel to a local middle school for 8-10 of the class meetings.

Contact department for information to register for this course.

EDCI488K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDCI488O **Selected Topics in Teacher Education; Ethiopian Immigrants in Israel: Children, Families, and Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDCI488Q **Selected Topics in Teacher Education; Building Community through Visual Literacy and Narrative: Printmaking**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

0101	Margaret Walker, Pamela Lawton	Seats (Total: 10)
	Meets May 19, 2015 - June 25, 2015	
	TuTh 4:30pm - 7:30pm	EDU 2212
	Class time/details on ELMs	ONLINE

EDCI498 **Special Problems in Teacher Education**

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Individual study of approved problems.

Contact department for information to register for this course.

EDCI614 **Developing a Professional Portfolio**

Credits: 3 Grading Method: Regular

Students will examine issues of performance assessment and develop professional portfolios following the guidelines established by the National Board of Professional Teaching Standards. Drawing on the research data collected throughout their program and relying on inquiry, reflections, and analysis, they will synthesize and present the body of their teaching experience.

0101	Maria Hyler	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 4:15pm - 7:25pm	EDU 1107

EDCI626 **Processes and Acquisition of Reading**

Credits: 3 Grading Method: Regular, Audit

Restriction: For Master's Certification Students only; or permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDCI 626 or EDCI 765. Formerly: EDCI 765.

Addresses the ways in which social, cultural, cognitive and motivation factors influence the development of literacy. Focus is on reading acquisition and its underlying processes. Topics include language development in relation to reading development; the biological basis of this development; concepts in emergent literacy; models of reading acquisition and skilled reading; the effects of phonemic awareness and phonics on developing readers; factors in early childhood environments and in beginning literacy instruction that impact language and literacy achievement.

Contact department for information to register for this course.

EDCI631 **Student Assessment in the Second Language Classroom**

Credits: 3 Grading Method: Regular, Audit

Analysis of standardized and teacher-made FL/ESL tests; emphasis on principles of FL/ESL test construction. Field testing of commercial and teacher-made materials.

Contact department for information to register for this course.

EDCI632 **Special Education and Oral Language Development in TESOL**

Credits: 3 Grading Method: Regular

Credit only granted for: EDCI632 or EDCI788L. Formerly: EDCI788L.

Understanding of pre-referal, referal, assessment and identification process, as well as instruction of English Language Learners with learning disabilities. Required for TESOL Certification program.

Contact department for information to register for this course.

EDCI633 **Teaching for Cross Cultural Communication**

Credits: 3 Grading Method: Regular

Theories of intercultural communication and techniques for applying them in the teaching of English as a second language (ESL) and content classes. Research and evaluation of selected aspects of a culture as basis for creating, selecting and using culturally-responsive teaching materials and methods.

Contact department for information to register for this course.

EDCI634 **Methods of Teaching ESOL**

Credits: 3 Grading Method: Regular

This course presents a survey of the historical and current approaches, methods, and techniques of teaching English to speakers of other languages, from grammar to translation to audiolingual and communicative approaches. Additionally, successful classroom practices that address the needs of culturally diverse and language minority students will be analyzed.

Contact department for information to register for this course.

EDCI643 **Teaching Language Arts in Elementary Schools**

Credits: 3 Grading Method: Regular, Audit

Analysis of current issues, trends, and problems in language-arts instruction.

Contact department for information to register for this course.

EDCI653 **Problem-Solving and Innovative Thinking in the Mathematics Classroom**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Experience teaching mathematics K-12. And EDCI352; or EDCI457; or students who have taken courses with comparable content may contact the department.

Curriculum and instruction for developing thinking skills through the discipline of mathematics. This is a hybrid course designed to blend on-campus class meetings with online experiences.

Contact department for information to register for this course.

EDCI661 **Content Area Reading**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EDCI362; or EDCI463; or students who have taken courses with comparable content may contact the department.

Research-based strategies for improving reading to learn in the content areas (K-12).

Contact department for information to register for this course.

EDCI662 **Diagnostic Reading Assessment and Instruction**

Credits: 3 Grading Method: Regular

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

Survey course in diagnostic reading assessment and instruction for graduate students not majoring in reading.

Contact department for information to register for this course.

EDCI688B **Special Topics in Curriculum and Instruction; Learning In and Through the Arts: Connecting Arts Disciplines to the Common Core**

Credits: 2 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688D **Special Topics in Curriculum and Instruction; Summer School in Dublin**

Credits: 1 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688I **Special Topics in Curriculum and Instruction; Connecting Learning Through Arts Integration**

Credits: 3 Grading Method: Regular

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688K **Special Topics in Curriculum and Instruction; Methods I: K-12 World Language Methods and Technology**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688L **Special Topics in Curriculum and Instruction; International Perspectives on Drama in Education**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688N **Special Topics in Curriculum and Instruction; Standards for Mathematics Practice Program**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact department for information to register for this course.

EDCI688Q **Special Topics in Curriculum and Instruction; Advanced Building Community through Visual Literacy and Narrative: Printmaking**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teaching.

Contact Margaret Walker mwalker8@umd.edu for more information.

0101	Pamela Lawton, Margaret Walker	Seats (Total: 10)
	Meets May 19, 2015 - June 25, 2015	
	TuTh 4:30pm - 7:30pm	EDU 2212
	Class time/details on ELMs	ONLINE

EDCI688R **Special Topics in Curriculum and Instruction; Supporting Common Core Mathematics Instruction for English Learners**

Credits: 1-3 Grading Method: Regular, Audit

Current topics and issues in teaching.

0101	Rodrigo Gutierrez	Seats (Total: 20)
	Meets June 1, 2015 - July 1, 2015	
	W 1:30pm - 4:30pm	EDU 2101
	F 10:00am - 1:00pm	EDU 2101

EDCI689 **Teaching Internship**

(Perm req)

Credits: 1-9 Grading Method: Regular, Audit

Internship experiences in elementary or secondary teaching with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students admitted to graduate teacher education program option.

Contact department for information to register for this course.

EDCI690 **Teaching as a Profession**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department.

The profession of teaching and the knowledge base that defines teaching. Current and social issues that affect teaching and learning; role of research and experience in learning to teach.

Contact department for information to register for this course.

EDCI695 **Teaching Science and Social Studies through Environmental Study**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major within EDUC-Teaching, Learning, Policy and Leadership department.

Curriculum and instruction for science and social studies within a multicultural and environmental context; analysis of social studies and science curriculum materials; utilization of school and community resources.

Contact department for information to register for this course.

EDCI697 **Embracing Diversity in Classroom Communities**

Credits: 3 Grading Method: Regular

The course aims to help students understand race, class, gender, and sexuality as systems of privilege, exclusion, marginalization, and the centrality of embracing diversity in the classroom communities to promote the success of all students.

World Languages PBC Outreach Program. Registration restricted to program participants.

Contact department for information to register for this course.

EDCI698 **Conducting Research on Teaching**

Credits: 1 Grading Method: Regular

Application of the knowledge base on effective teaching to the analysis and improvement of educational practice. Research methods used in the study of classroom teaching. Design and conduct of an action research project.

Contact department for information to register for this course.

EDCI761 **Advanced Clinical Practices in Reading Assessment**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDCI665. Corequisite: EDCI762.

Clinical practicum in assessment focusing on strengths and needs in reading. Case report writing and conferences.

Location: Off campus. Local school. Departmental permission required.

Contact department for information to register for this course.

EDCI762 **Advanced Clinical Practices in Reading Instruction**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: EDCI665. Corequisite: EDCI761.

Clinical practicum in instruction focusing on instructional techniques and diagnostic teaching.

Location: Off campus. Local school.Departmental permission required.

Contact department for information to register for this course.

EDCI788 **Selected Topics in Teacher Education**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI788K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3

Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI788N **Selected Topics in Teacher Education; Ethiopian Immigrants in Israel: Children, Families, and Education**

Credits: 3

Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI798 **Special Problems in Teacher Education**

Credits: 1-3 Grading Method: Regular, Audit

Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDCI799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

EDCI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCI889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCI899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Summer 2015

EDCP108B **College and Career Advancement: Concepts and Skills; Academic Skills**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Recommended for freshman, sophomores, or juniors who are having academicdifficulties, including but not limited to those on probation or facing dismissal. Seniors by permission of instructor.

WB11	Shirley Browner	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

EDCP108E **College and Career Advancement: Concepts and Skills**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

Restricted to Academic Achievement Program Students.

CP02	Tilahun Beyene	Seats (Total: 130)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

EDCP220 **Introduction to Human Diversity in Social Institutions**

Credits: 3 | Grading Method: Regular, Audit | CORE: SB, D | General Education: DVUP

This highly-interactive format focuses on individual and social identities in the U.S., group differences and intergroup relations, systems of privilege and oppression, and advocacy for social justice. Topics will include diversity related to race, ethnicity, gender, sexual orientation, social class, (dis)ability, and religion. Course fulfills CORE requirements in diversity, social/behavioral bases, and interdisciplinary study. Some sections restricted.

0501	Katherine Ross	Seats (Total: 30)
	Meets June 22, 2015 - July 10, 2015	
	MTuWThF 8:00am - 10:45am	TWS 0207
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

EDCP298Z **Special Problems in Counseling and Personnel Services; British Life and Society in a Cross-Cultural Context**

Credits: 3

Grading Method: Regular, Pass-Fail

Individual instruction in special problems related to counseling, student leadership, and college student development.

Contact department for information to register for this course.

EDCP318X **Applied Contextual Leadership; Norway: Adventure Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Contact department for information to register for this course.

EDCP318Y **Applied Contextual Leadership; Terrapin Take Off: Adventure Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Contact department for information to register for this course.

EDCP386 **Experiential Learning**

(Perm req)

Credits: 3-6

Grading Method: Regular, Pass-Fail

Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department; and sophomore standing or higher.

Contact department for information to register for this course.

EDCP418 **Special Topics in Leadership; Leadership Skills**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

Contact department for information to register for this course.

EDCP498 **Special Problems in Counseling and Personnel Services**

Credits: 1-3

Grading Method: Regular

Available only to major students who have formal plans for individual study of approved problems.

Contact department for information to register for this course.

EDCP611 **Career Development Theory and Programs**

Credits: 3 Grading Method: Regular, Audit

Research and theory related to career and educational decisions; programs of related information and other activities in career decision.

0401	Natasha Mitchell	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	TuWTh 2:00pm - 6:10pm	EDU 3236

EDCP635 **School Consultation I**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in the School Counseling program; or must be in the School Psychology program; or permission of instructor.

Theory and practice of consultation services in the school setting. Understanding of school culture. Introduction to problem solving model of case consultation for assessment and remediation of learning and behavior problems in the classroom. Practicum experience.

0101	Jill Berger	Seats (Total: 20)
	Meets June 1, 2015 - June 25, 2015	
	MWTh 9:00am - 12:15pm	EDU 2101

EDCP668A **Special Topics in Rehabilitation; Job Development and Placement**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

EDCP789F **Advanced Topics in Counseling and Personnel Services; History of Psychological Science**

Credits: 3 Grading Method: Regular, Audit

0101	Matthew Miller	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MW 9:00am - 12:30pm	EDU 2102

EDCP789R **Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

Credits: 1-3 Grading Method: Regular

0101	Matthew Miller	Seats (Total: 15)
	Meets June 1, 2015 - July 12, 2015	
	Tu 1:00pm - 3:00pm	EDU 3233

EDCP798 **Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Contact department for information to register for this course.

EDCP798Q **Special Problems in Counseling and Personnel Services; Seminar Paper**

Credits: 1 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services; College Student Personnel**

Credits: 3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Restricted to CSP students.

0101	John Zacker, Marsha Guenzler-Stevens **Meets June 1, 2015 - August 14, 2015** W 12:00pm - 3:00pm Contact instructor or department for details.	Seats (Total: 12) Location: TBA

EDCP889 **Internship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHD Education, Human Development Summer 2015

EDHD320 **Human Development Through the Life Span**

Credits: 3 Grading Method: Regular, Audit General Education: DSHS

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

0301	Robert Marcus **Meets June 1, 2015 - June 19, 2015** MTuWTh 12:00pm - 3:15pm	Seats (Total: 30) EDU 3315
0401	Courtney Hattan **Meets July 13, 2015 - July 31, 2015** MTuWTh 1:00pm - 4:20pm	Seats (Total: 30) TWS 0201

EDHD400 **Introduction to Gerontology**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSHS

Multidisciplinary survey of the processes of aging. Physiological changes, cultural forces, and self-processes that bear on quality of life in later years. Field study of programs, institutions for elderly, individual elders, their families and care providers.

0101	Elizabeth Robertson-Tchabo **Meets June 1, 2015 - July 12, 2015** TuTh 9:30am - 12:45pm	Seats (Total: 30) ASY 3211

EDHD413 **Adolescent Development**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Adolescent development, including special problems encountered in contemporary culture. Observational component and individual case study.

0101	Jennie Lee-Kim **Meets June 1, 2015 - July 10, 2015** TuTh 11:00am - 2:15pm	Seats (Total: 25) EDU 1315

EDHD460 **Educational Psychology**

Credits: 3 | Grading Method: Regular | General Education: DSHS

Prerequisite: PSYC100; or permission of EDUC-Human Development and Quantitative Methodology department.

Application of psychology to learning processes and theories. Individual differences, measurement, motivation, emotions, intelligence, attitudes, problem solving, thinking and communicating in educational settings.

0401	Katherine Muenks	Seats (Total: 25)
	Meets July 13, 2015 - July 31, 2015	
	MTuWTh 9:00am - 12:20pm	EDU 3315

EDHD489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHD498 **Special Problems in Education**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

EDHD602 **Social Bases of Behavior**

Credits: 3 Grading Method: Regular

The social forces and expectations that influence behavior from infancy through old age and death. The effects of ethnicity, social learning values, attitudes, historical events and mass media on perception and behavior in societal interactions.

Contact department for information to register for this course.

EDHD798 **Laboratory in Human Development**

Credits: 1-6 Grading Method: Regular, Audit

Independent research supervised by an instructor in a research setting.

Contact department for information to register for this course.

EDHD799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for master's thesis.

Contact department for information to register for this course.

EDHD888 **Apprenticeship in Human Development Research**

Credits: 1-8 Grading Method: Regular, Audit

Apprenticeship in Human Development research.

Contact department for information to register for this course.

EDHD889 **Practicum in Human Development**

Credits: 3-8 Grading Method: Regular, Audit

Field experience in applied human development at a professional level o competence in a particular role with appropriate supervision.

Contact department for information to register for this course.

EDHD898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDHD899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed Summer 2015

EDHI338P **Teaching and Learning about Cultural Diversity through Intergroup Dialogue; Germany: Propaganda and Graphic Design**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Engages students, from one or more cultural identity groups, in facilitated dialogue about the similarities and differences of experience that exist within a group and/or between and across groups. The goal of intergroup dialogue is for students to develop comfort with, and skill for, discourse on difficult topics toward the end of fostering positive, meaningful, and sustained cross-group relationships. Whereas in debate, students learn to listen to gain advantage, in intergroup dialogue, students learn to listen to gain understanding. In so doing, students develop increased multicultural interaction facility, heightened intergroup awareness and sensitivity, and greater commitment to civic engagement.

Contact department for information to register for this course.

EDHI488A **Special Topics in Education Policy and Administration; Education for Global Peace**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

WB21	Sachi Edwards	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

EDHI488V **Special Topics in Education Policy and Administration; Contemplative Inquiry and Holistic Education**

Credits: 3

Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0401	Jing Lin	Seats (Total: 15)
	Meets July 13, 2015 - July 23, 2015	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI489 **Field Experiences in Education**

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI498 **Special Problems in Education**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Available only to students who have definite plans for individual study of approved problems.

Contact department for information to register for this course.

0229	Robert Waters	Seats (Total: 1)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

EDHI672 **Modes of Inquiry in Education Research**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI672, EDPL672, or EDPS672. Formerly: EDPL672.

Introduction to modes of inquiry appropriate to research on issues and problems in education. Examination of qualitative, quantitative and mixed research methods and designs with a focus on related standards of quality.

This course contains a Blackboard/ELMS component.

0401	Steven Klees	Seats (Total: 23)
	Meets July 27, 2015 - August 13, 2015	
	MWTh 3:00pm - 7:15pm	EDU 3315

EDHI679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDHI681 **Education for Global Peace**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI681, EDPL681, or EDPS681. Formerly: EDPL681.

This course will examine how education can address the threats of violence and wars. It prepares students to teach about peace, nonviolence, and conflict resolution, and also to analyze and implement changes in school and society to contribute to peace and non-violence.

WB21	Sachi Edwards	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

EDHI689 **Practicum In Educational Administration and Supervision**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Promotes skill development in managerial, leadership and supervisory areas. Practicum is based on results of diagnostic instruments and an individual professional development plan.

0124	Helene Cohen **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0224	Helene Cohen **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0235	Alberto Cabrera **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

EDHI788 **Special Topics in Education Policy and Administration**

Credits: 1-3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI788Q **Special Topics in Education Policy and Administration; Working in International Development Agencies: Tools and Methodologies**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Alberto Begue **Meets June 1, 2015 - July 12, 2015** MW 4:00pm - 7:30pm	Seats (Total: 20) EDU 3233

EDHI788V **Special Topics in Education Policy and Administration; Contemplative Inquiry and Holistic Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0401	Jing Lin **Meets July 13, 2015 - July 23, 2015** MWTh 4:00pm - 9:00pm Contact instructor or department for details.	Seats (Total: 15) EDU 1315

EDHI798 **Special Problems in Education**

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDHI889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDHI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation Summer 2015

EDMS451 **Introduction to Educational Statistics**

Credits: 3 | Grading Method: Regular, Audit | General Education: FSAR

Restriction: Sophomore standing or higher. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Introduction to statistical reasoning; location and dispersion measures; computer applications; regression and correlation; formation of hypotheses tests; t-test; one-way analysis of variance; analysis of contingency tables.

0101	Daniel Lee **Meets June 1, 2015 - July 12, 2015** MTuWTh 10:00am - 11:40am	Seats (Total: 30) TWS 0214
0201	Daniel McNeish **Meets July 13, 2015 - August 23, 2015** TuTh 1:00pm - 4:20pm	Seats (Total: 30) EDU 1121

EDMS645 **Quantitative Research Methods I**

Credits: 3 | Grading Method: Regular, Audit

Research design and statistical applications in educational research: data representation; descriptive statistics; estimation and hypothesis testing. Application of statistical computer packages is emphasized.

0101	Gregory Hancock **Meets June 1, 2015 - July 12, 2015** MTuWTh 10:00am - 11:40am	Seats (Total: 30) EDU 3315

EDMS798 **Special Problems in Education**

Credits: 1-6 | Grading Method: Regular, Audit

Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDMS799 **Master's Thesis Research**

Credits: 1-6 | Grading Method: Regular

Registration required to the extent of 6 credits.

Contact department for information to register for this course.

EDMS889 **Internship in Measurement and Statistics**

(Perm req)

Credits: 3-12 Grading Method: Regular

Provides internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDMS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDMS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to the extent of 12 credits.

Contact department for information to register for this course.

EDPS Education Policy Studies Summer 2015

EDPS301 **Foundations of Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Credit only granted for: EDPL301 or EDPS301. Formerly: EDPL301.

Social context of education and conflicts over philosophies, values, an goals that are reflected in educational institutions in our pluralistic society. Helps teachers become reflective, critical thinkers about the social and philosophical issues they face and the choices they make.

0101	Steven Stakland	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MW 3:40pm - 7:05pm	EDU 2119

EDPS489 **Field Experiences in Education**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

0123	Steven Selden	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0216	Francine Hultgren	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

EDPS601 **Contemporary Social Issues in Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI601, EDPL601, or EDPS601. Formerly: EDPL601.

Theoretical and practical consideration of vital social issues currently affecting education.

Contact department for information to register for this course.

EDPS634 **The School Curriculum**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI634, EDPL634, or EDPS634. Formerly: EDPL634.

A foundations course embracing the curriculum as a whole from early childhood through adolescence, including a review of historical developments, an analysis of conditions affecting curriculum change, an examination of issues in curriculum making, and a consideration of current trends in curriculum design.

0101	Steven Selden	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 4:00pm - 7:20pm	SQH 2120

EDPS663 **Policy Formulation in Education**

Credits: 3-6 Grading Method: Regular, Audit

Restriction: Permission of EDUC-Teaching, Learning, Policy and Leadership department. Credit only granted for: EDHI663, EDPL663, or EDPS663. Formerly: EDPL663.

Various levels of school governance. Analysis of policy formation, administration and evaluation issues.

Contact department for information to register for this course.

EDPS679 **Master's Seminar**

Credits: 3

Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

0116	Francine Hultgren **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0117	Robert Croninger **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0217	Robert Croninger **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0224	Thomas Davis **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

EDPS788C **Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

Credits: 3

Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

HY11	Beth Cohen **Meets July 7, 2015 - July 23, 2015** TuTh 4:30pm - 7:00pm Class time/details on ELMs	Seats (Total: 20) EDU 3233 ONLINE

EDPS788Q **Special Topics in Education Policy and Administration; Critical Qualitative Research Colloquium**

Credits: 3

Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

HY11	Beth Cohen **Meets July 1, 2015 - July 29, 2015** W 4:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 20) EDU 2101 ONLINE

EDPS798 **Special Problems in Education**

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDPS889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDPS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

EDPS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDSP Education, Special Summer 2015

EDSP210 **Introduction to Special Education**

Credits: 3 | Grading Method: Regular, Audit | General Education: DVUP

Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.

Characteristics and needs of individuals receiving special education an related services. Current issues and practices in special education.

WB11	Sarah Mallory	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

EDSP289I **Disability: From Stigma and Sideshow to Mainstream and Main Street**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP, SCIS

HY11	Carolyn Fink	Seats (Total: 25)	
	Meets June 1, 2015 - July 3, 2015		
	TuTh 4:30pm - 7:30pm	EDU 3236	
	Class time/details on ELMs	ONLINE	Discussion
	This is a hybrid course, it meets face-to-face TuTh along with 15 hours of online/distance assignments.		

EDSP376 **Fundamentals of Sign Language**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

0101	Michael Dunham	Seats (Total: 27)
	Meets June 1, 2015 - July 12, 2015	
	MW 4:00pm - 7:15pm	EDU 3315
	Contact instructor or department for details.	

EDSP470 **Introduction to Special Education**

Credits: 3 | Grading Method: Regular, Audit | General Education: DVUP

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

Open to all students except undergraduate special education majors.

0401	Leslie Page-Voth	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	TuTh 9:00am - 4:50pm	TWS 0236

EDSP476 **Communicating with Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

0401	Michael Dunham	Seats (Total: 27)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 4:00pm - 7:15pm	EDU 1107
	Contact instructor or department for details.	

EDSP498 **Special Problems in Special Education**

Credits: 1-6 Grading Method: Regular

Available only to education majors who have definite plans for individual study of approved problems. Credit according to extent of work.

Contact department for information to register for this course.

EDSP606 **Advanced Study in Inclusive Practices in The Schools**

Credits: 3 Grading Method: Regular, Audit

Also offered as: EDSP450. Credit only granted for: EDSP450, EDSP606, or EDSP788P. Formerly: EDSP788P.

Educational practices regarding inclusive education in the schools for students with and without disabilities.

Contact department for information to register for this course.

EDSP678A **Seminar in Special Education; Social-Communication Challenges and Strategies for Individuals with ASDs**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

EDSP798 **Special Problems in Special Education**

(Perm req)

Credits: 1-6 Grading Method: Regular

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

Credits: 1-8 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

0104	Joan Lieber **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0105	Andrew Egel **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0108	Frances Kohl **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0109	Peter Leone **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0111	Martha Moon **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0114	Paula Maccini **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0116	Paula Beckman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0117	Rebecca Silverman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0118	Susan De La Paz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0120	Margaret McLaughlin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0121	Debra Neubert **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0122	Philip Burke **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

0124	Leslie Page-Voth **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0125	Jade Wexler **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0204	Joan Lieber **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0205	Andrew Egel **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0208	Frances Kohl **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0209	Peter Leone **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0210	Leslie Page-Voth **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0211	Martha Moon **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0216	Paula Beckman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0217	Rebecca Silverman **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0218	Susan De La Paz **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0220	Margaret McLaughlin **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0221	Debra Neubert **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0222	Philip Burke **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0225	Jade Wexler **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

EDSP889 **Internship in Special Education**

(Perm req)

Credits: 3-8 Grading Method: Regular

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

EDUC Education Summer 2015

EDUC798C **Advanced Topics in Education; Education Policy and Politics in the Nation's Capital**

Credits: 3 Grading Method: Regular, Audit

A special topics course in education in which topics will vary from semester to semester.

0101	Jane West	Seats (Total: 10)
	Meets June 5, 2015 - July 13, 2015	
	Contact instructor or department for details.	
	Permission of instructor is required. Please contact Dr. West at janewestdc@gmail.com.	

EDUC888 **Applied Apprenticeship in Education**

Credits: 1-3 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals.

Contact department for information to register for this course.

EDUC898 **Pre-Candidacy Research; Applied Apprenticeship in Education**

(Perm req)

Credits: 3 Grading Method: Regular

Pre-Candidacy Research

Contact department for information to register for this course.

EDUC899 **Dissertation of Practice Research; Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular, Audit

Registration required to the extent of 6-9 hours for an Ed.D. Dissertation.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Summer 2015

ENAE202 **Aerospace Computing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Introduction to computational tools for the solution of engineering problems. C++ & MATLAB programming including branching and loops, functions, file handling, arrays, and data structures. Students will be introduced to object-oriented programming, basic computing, algorithms, and principles of software engineering.

0201	Robert Sanner	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWF 12:30pm - 1:50pm	EGR 2154	
	Th 12:00pm - 2:00pm	KEB 2107	Lab

ENAE283 **Introduction to Aerospace Systems**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: PHYS161, MATH141, and ENES102. Corequisite: PHYS261 and PHYS260. Restriction: Must be in Engineering: Aerospace program. Credit only granted for: (ENAE281 and ENAE282) or ENAE283. Formerly: ENAE281 and ENAE282.

Introduction to airplanes and space vehicles as aerospace systems. Fundamentals that describe these systems. Elements of aerodynamics, airfoils and wings. Airplane performance, stability and control. Aircraft and rocket propulsion. Fundamentals of orbital motion. Aspects of vehicle conceptual design.

0101	Nicholas D'Amore	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 4:30pm - 5:50pm	EGR 3106

ENAE311 **Aerodynamics I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: PHYS271, MATH461, PHYS270, MATH246, ENAE283, ENES220, ENAE202, and MATH241. Corequisite: ENES232. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department. And junior standing or higher.

Fundamentals of aerodynamics. Elements of compressible flow. Normal and oblique shock waves. Flows through nozzles, diffusers and wind tunnels. Elements of the method of characteristics and finite difference solutions for compressible flows. Aspects of hypersonic flow.

0201	Ryan Houim	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MWF 4:00pm - 6:15pm	EGR 1102

ENAE423 **Vibration and Aeroelasticity**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENAE324. Restriction: Must be in Engineering: Aerospace program; or permission of ENGR-Aerospace Engineering department.

Dynamic response of single and multiple degrees of freedom systems, finite element modeling, wing divergence, aileron reversal, wing and panel flutter.

0201	Sung Lee	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 8:00am - 9:20am	EGR 2154

ENAE488D **Topics in Aerospace Engineering; Computer Aided Design**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

ENAE200 or permission required Introduction to computer graphics in computer-aided design.

0201	Evandro Valente	Seats (Total: 36)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 9:30am - 11:15am	EGR 0309

ENAE488T **Topics in Aerospace Engineering; Topics in Wind Tunnel Testing**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Technical elective taken with the permission of the student's advisor and instructor. Lecture and conference courses designed to extend the student's understanding of aerospace engineering. Current topics are emphasized.

0101	Allen Winkelmann	Seats (Total: 6)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 10:00am - 11:20am	EGL 0123
	Th 2:00pm - 4:00pm	EGL 0123

ENAE499 **Elective Research; Individual Instruction**

(Perm req)

Credits: 3

Grading Method: Regular

Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.

Contact department for information to register for this course.

ENAE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENAE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCE Engineering, Civil Summer 2015

ENCE201 **Engineering Information Processing**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220 and MATH241; and permission of ENGR-Civil & Environmental Engineering department. Corequisite: MATH246. Credit only granted for: ENCE201 or ENCE203.

Exploration of algorithms for solving problems in several important areas of numerical computing: roots of equations; matrix algebra and the systems of linear equations; function approximation, numerical differentiation and integration; and ordinary differential equations. Issues of solution accuracy, robustness, and efficiency are also considered. Numerical techniques are presented in the context of engineering applications, and example problems are solved using a variety of computer-based tools (primarily MATLAB).

WB11	Peter Chang	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 7:30pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ENCE215 **Engineering for Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM135; and permission of ENGR-Civil & Environmental Engineering department.

Engineers have a key role to play in planning, designing, building, and ensuring a sustainable future. In this class, a problem-based approach is used to examine fundamentally-based analyses and approaches for engineering as sustainable society, with a focus on sustainable use of energy and materials, sustainable infrastructure solutions, atmospheric sustainability and sustainable water supply, and human population growth and resource consumption and its implications for sustainability.

WB11	Natasha Andrade	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ENCE320 **Introduction to Project Management**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering or in the Project Management Minor.

Learn the fundamentals of project management and the analytical skills for the management side of engineering projects.Topics include economic analysis, project screening and selection, organizational and project structure, scheduling, budgeting, resource management, life cycle costing, and project control.

WB11	Scott Macrae	Seats (Total: 32)
	Meets June 1, 2015 - August 23, 2015	
	MTu 8:00pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ENCE360 **Analysis of Civil Engineering Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENCE201 and MATH140; and permission of ENGR-Civil & Environmental Engineering department.

Introduction to systems approach and systems analysis in civil and environmental engineering. Introduction to systems analysis tools that facilitate engineering management decision making including optimization and computer simulation. Introduction to linear and nonlinear mathematical optimization including linear and integer programming, elementary nonlinear programming and dynamic programming.

Contact department for information to register for this course.

ENCE422 **Project Cost Accounting and Economics**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn: the fundamentals of accounting; project cost accounting principles as they apply to project management; project cost accounting; and the fundamentals of engineering economics.Topics include: project feasibility analysis; reading and analyzing financial statements; cash management; cash flow analysis; depreciation and taxes; and impact on profitability; the principles of activity based costing; net present value analysis; the framework for project performance measurement, cost performance indices, and earned value analysis.

WB11	Qingbin Cui	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	MTh 7:00pm - 8:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	

ENCE424 **Communication for Project Managers**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of ENGR-Civil & Environmental Engineering department. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or must be in the Construction Project Management Minor; or must be in the Project Management Minor.

Learn the fundamentals of communications for project managers. Emphasis is on interpersonal and group communications; through voice, electronic, and written messages; project cycle and reports and presentations during this cycle; and communications for employment.

WB11	William Brantley	Seats (Total: 30)	
	Meets June 1, 2015 - August 23, 2015		
	Class time/details on ELMs	ONLINE	
	Th 9:30pm - 10:30pm	ONLINE	Discussion

ENCE489 **Special Problems in Civil Engineering**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE489I **Special Problems in Civil Engineering; Sustainable Green Infrastructure for the Urban Environment: Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE606 **Graduate Introduction to Project Scheduling**

Credits: 3 Grading Method: Regular, Audit

Students are taught the basics of project scheduling and the various scheduling approaches that are currently being used in the design and construction industry. Project planning techniques will be covered and basic scheduling methods will be taught including the use of bar charts. Critical Path Method (CPM), Program Evaluation and Review (PERT) and Linear Scheduling (Line of Balance) methods.

0101	Kenneth O'Connell **Meets June 1, 2015 - August 23, 2015** Tu 5:30pm - 8:40pm	Seats (Total: 25) JMP 2217
PM01	Kenneth O'Connell **Meets June 1, 2015 - August 23, 2015** W 5:00pm - 7:00pm *Class has weekly videoconferencing.*	Seats (Total: 30) ONLINE

ENCE625 **Project Administration**

Credits: 3 Grading Method: Regular, Audit

The principles of project administration procedures from the viewpoint of a resident project manager or project engineer specifically addressing their responsibilities in the engineering, design, or construction industries are examined. The course is suitable for students, engineering and design professionals, project managers, experienced contract administrators, and owners interested in the special administrative problems of construction.

Class has weekly videoconferencing.

PM01	Neil Schulman	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs	ONLINE	
	TuTh 7:00pm - 8:00pm	ONLINE	Discussion

ENCE661 **Project Cost Accounting and Finance**

Credits: 3 Grading Method: Regular, Audit

This course reviews the fundamentals of accounting; examines project cost accounting principles, applications, and impact on profitability; examines the principles of activity based costing; covers the elements involved in cash management; introduces the framework for how projects are financed and the potential impact financing has on the projects; and a framework for evaluating PC based systems and what resources are needed for an effective project cost system.

PM01	James Myers	Seats (Total: 30)	
	Meets June 1, 2015 - August 23, 2015		
	M 7:00pm - 8:00pm	ONLINE	
	Tu 3:30pm - 4:30pm	ONLINE	

ENCE688 **Advanced Topics in Civil Engineering**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature of civil engineering to suit the needs and background of students. May be taken for repeated credit when identified by topic title.

Contact department for information to register for this course.

ENCE689 **Seminar**

Credits: 1-16 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENCE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENCE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENCE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENCH Engineering, Chemical Summer 2015

ENCH468 **Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

Contact department for information to register for this course.

ENCH468L **Research; Photovoltaics: Solar Energy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Investigation of a research project under the direction of a faculty member. Comprehensive reports are required.

Contact department for information to register for this course.

ENCH648 **Special Problems in Chemical Engineering**

Credits: 1-16 Grading Method: Regular, Audit

0105	Peter Kofinas **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0114	Ganesh Sriram **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0214	Ganesh Sriram **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

ENCH648K **Special Problems in Chemical Engineering; Electrochemical Energy Engineering**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of ENGR-Chemical & Biomolecular Engineering department. The lecture will start from the basic electrochemical thermodynamics and kinetics, with emphasis on electrochemical techniques, fundamental principle and performance of batteries, and supercapacitors.

0201	Yujie Zhu **Meets July 13, 2015 - August 23, 2015** TuTh 1:00pm - 5:00pm	Seats (Total: 20) JMP 2121
ME01	Yujie Zhu **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 5) ONLINE

ENCH648L **Special Problems in Chemical Engineering; Photovoltaics: Solar Energy**

Credits: 3

Grading Method: Regular, Audit

Contact department for information to register for this course.

ENCH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

ENCH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENCH899 **Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Summer 2015

ENCO098 **Co-op/Internship Work Experience**

(Perm req)

Credits: 0

Grading Method: Sat-Fail

Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

CP10	Heidi Sauber **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 300)
CP20	Heidi Sauber, Veronica Perrigan **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 300)

ENEE Electrical & Computer Engineering Summer 2015

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

Credits: 3 Grading Method: Regular CORE: IE

Restriction: Sophomore standing or higher.

Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology. Special emphasis is placed on the interplay of diverse and often conflicting personal and collective values in both the development and implementation of new technologies. These subjects touch on many areas of interest including ethics, politics, business, the law, and society.

0101	Wesley Lawson **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 24) CHM 1228

ENEE205 **Electric Circuits**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in PHYS260; and permission of ENGR-Electrical & Computer Engineering department. Corequisite: MATH246. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Credit only granted for: ENEE204 or ENEE205. Formerly: ENEE204.

Design, analysis, simulation, construction and evaluation of electric circuits. Terminal Relationships. Kirchoff's laws. DC and AC steady state analysis. Node and mesh methods. Thevenin and Norton equivalent circuits. Transient behavior of first- and second-order circuits. Frequency response and transfer functions. Ideal op-amp circuits. Diode and transistor circuits.

0101	Wesley Lawson	Seats (Total: 14)	
	Meets June 1, 2015 - July 23, 2015		
	MTuWTh 12:30pm - 1:50pm	EGR 3102	
	TuTh 8:00am - 10:50am	AVW 1356	Lab

ENEE222 **Elements of Discrete Signal Analysis**

(Perm req)

Credits: 4 Grading Method: Regular

Prerequisite: Minimum grade of C- in MATH141; and permission of ENGR-Electrical & Computer Engineering department. And minimum grade of C- in ENEE140; or minimum grade of C- in CMSC131. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE222, ENEE241, or MATH242. Formerly: ENEE241.

Discrete-time and continuous-time signals, sampling. Linear transformers, orthogonal projections. Discrete Fourier Transform and its properties. Fourier Series. Introduction to discrete-time linear filters in both time and frequency domains.

0101	Seyed Bahari	Seats (Total: 30)	
	Meets June 1, 2015 - July 23, 2015		
	MTuWTh 2:30pm - 3:50pm	KEB 1200	
	MW 10:00am - 11:50am	KEB 2107	Lab

ENEE244 **Digital Logic Design**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have completed or be concurrently enrolled in CMSC132 or ENEE150; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Sophomore standing or higher; and must be in one of the following programs (Engineering: Computer; Engineering: Electrical).

The design and analysis of combinational and synchronous sequential systems comprising digital logic gates and flip-flop memory devices; underlying tools such as switching and Boolean algebras and Karnaugh map simplification of gate networks; design and use of decoders, multiplexers, encoders, adders, registers, counters, sequence recognizers, programmable logic arrays (PLAs), read-only memories (ROMS, PROMS), and similar devices. Arbitrary radix conversion.

Engineering College only (04).

0101	Manoj Franklin	Seats (Total: 30)	
	Meets June 1, 2015 - July 23, 2015		
	MTuWTh 9:30am - 10:50am	EGR 2116	

ENEE303 **Analog and Digital Electronics**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE302 or ENEE303.

Conceptual operation of transistors and diodes. Large and small signal operation of BJTs and MOSFETs. Basic transistor configurations. Logic circuits and semiconductor memory. Multi-transistor circuits including differential amplifiers and current mirrors. Frequency response.

0101	Manoj Franklin	Seats (Total: 40)
	Meets June 1, 2015 - July 23, 2015	
	MTuWTh 12:30pm - 1:50pm	PHY 1402

ENEE313 **Introduction to Device Physics**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Electrical; Engineering: Computer). Credit only granted for: ENEE312 or ENEE313.

Basic physics of devices including fields in solids, crystal structure, properties of electrons and holes. Current flow in Si using drift-diffusion model. Properties of the pn junction. Properties of devices including BJTs, FETs and their physical characteristics.

0101	Agisilaos Iliadis	Seats (Total: 40)
	Meets June 1, 2015 - July 23, 2015	
	MTuWTh 9:30am - 10:50am	KEY 0116

ENEE324 **Engineering Probability**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: ENEE322; and completion of all lower-division technical courses in the EE curriculum. Credit only granted for: BMGT231, STAT400 or ENEE324. Additional information: Electrical Engineering and Computer Engineering majors may not substitute STAT400 for ENEE324. These courses are not interchangeable, consult your program requirements or advisor for what is acceptable toward your program of study.

Axioms of probability; conditional probability and Bayes' rules; random variables, probability distribution and densities: functions of random variables: weak law of large numbers and central limit theorem. Introduction to random processes; correlation functions, spectral densities, and linear systems. Applications to noise in electrical systems, filtering of signals from noise, estimation, and digital communications.

0101	Manoj Franklin	Seats (Total: 40)
	Meets June 1, 2015 - July 23, 2015	
	MTuWTh 11:00am - 12:20pm	PLS 1119

ENEE350 **Computer Organization**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Must have earned a minimum grade of regular (letter) C- in all required 200-level ENEE courses; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in one of the following programs (Engineering: Computer; Engineering: Electrical). Formerly: ENEE250. Additional information: Electrical Engineering and Computer Engineering majors may not substitute CMSC311 for ENEE350. Not open to students who have completed ENEE250.

Structure and organization of digital computers. Registers, memory, control and I/O. Data and instruction formats, addressing modes, assembly language programming. Elements of system software, subroutines and their linkages.

ENEE majors (09090) only.

0101	Ankur Srivastava	Seats (Total: 30)
	Meets June 1, 2015 - July 23, 2015	
	TuTh 2:00pm - 4:50pm	ITV 1100

ENEE380 **Electromagnetic Theory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH241, PHYS270, and PHYS271; and completion of all lower-division technical courses in the EE curriculum; and permission of ENGR-Electrical & Computer Engineering department. Restriction: Must be in Engineering: Electrical program.

Introduction to electromagnetic fields. Coulomb's law, Gauss's law, electrical potential, dielectric materials capacitance, boundary value problems, Biot-Savart law, Ampere's law, Lorentz force equation, magnetic materials, magnetic circuits, inductance, time varying fields and Maxwell's equations.

0101	Leonard Taylor	Seats (Total: 40)
	Meets June 1, 2015 - July 23, 2015	
	MTuWTh 12:30pm - 2:15pm	CHM 0119

ENEE459V **Topics in Computer Engineering; Embedded Systems**

Credits: 3 Grading Method: Regular

Selected topics of current importance in computer engineering.

Prerequisites: ENEE350, ENEE244, ENEE150, or CMSC216. The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TVs, smart thermostats, smart vacuum cleaners, to name just a few. Thesedevelopments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problems encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools were used in the development of modern embedded systems, and theory behind the, the course will include a carefully selected collection of hands-on Lab excercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	Bogdan Kosanovic	Seats (Total: 19)
	Meets June 1, 2015 - July 23, 2015	
	MW 2:00pm - 4:50pm	JMP 2222
WB11	Bogdan Kosanovic	Seats (Total: 10)
	Meets June 1, 2015 - July 23, 2015	
	Class time/details on ELMs	ONLINE

ENEE488 **Independent Study in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity for independent study projects on advanced electrical and computer engineering topics. These projects typically involve academic investigations of technical themes that are not addressed in the established elective and special topics courses taught by the department on a regular basis. Study plans are tailored to students educational goals but are approved and supervised by faculty.

Contact department for information to register for this course.

ENEE499 **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-5 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499R **Senior Projects in Electrical and Computer Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily - experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE699 **Independent Studies in Electrical Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Supervised individual study or project, or supervised group study or project, at an advanced level, in electrical engineering.

Contact department for information to register for this course.

ENEE759V **Advanced Topics in Computer Engineering; Embedded Systems**

Credits: 3 Grading Method: Regular, Audit

Topics, as announced every semester, from the field of computer engineering and its applications.

Prerequisite: ENEE350 or equivalent course on Computer Architecture, ENEE244 or equivalent course on Digital Logic Design, ENEE150 or equivalent course on programming (preferably C). The first decade of 21st century was marked by the emergence of smart devices that are used in everyday life. Smart phones, smart cars, smart TVs, smart thermostats, smart vacuum cleaners, just to name a few. These devolopments are powered in large part by the embedded systems. This course will provide students with the essential knowledge base that will enable them to tackle complex problesm encountered in embedded systems design. In addition to the overview of associated hardware components and software methodologies and tools used in the development of modern embedded systems, and theory behind them, the course will include a carefully selected collection of hands-on Lab excercises that would help students get a sense of how the presented theoretical concepts connect with the real-world embedded systems applications.

0101	Bogdan Kosanovic **Meets June 1, 2015 - July 23, 2015** MW 2:00pm - 4:50pm	Seats (Total: 20) JMP 2222
WB11	Bogdan Kosanovic **Meets June 1, 2015 - July 23, 2015** Class time/details on ELMs	Seats (Total: 15) ONLINE

ENEE799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENES Engineering Science Summer 2015

ENES100 **Introduction to Engineering Design**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSSP

Corequisite: MATH140.

Students work as teams to design and build a product using computer software for word-processing, spreadsheet, CAD, and communication skills.

YS41	David Lovell	Seats (Total: 38)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:00am - 1:00pm	JMP 1215
	This section is part of The Young Scholars Program. Enrollment by permission only.	
YS42	Peter Chang	Seats (Total: 38)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:00am - 1:00pm	JMP 1116
	This section is part of The Young Scholars Program. Enrollment by permission only.	

ENES102 **Mechanics I**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Thomas Beigel	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 12:30pm - 2:50pm	EGR 1108

ENES104 **Introduction to Materials and their Applications**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in the Young Scholars Program.

Creating a new technology, nanotechnology, biotechnology, or plastic electronics requires developing the materials first. In this class we'll explore materials science and engineering where engineers change the properties and/or behavior of a material to make them more useful. The course covers the chemical composition, phase transformations, corrosion and mechanical properties of materials as well as their electrical, thermal, magnetic and optical properties. Learn about the unlimited possibilities for innovation and adaption through the exciting field of nanotechnology.

YS41	Ratna Kolli	Seats (Total: 35)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 9:00am - 11:50am	EGR 3106
	This section is part of The Young Scholars Program. Enrollment by permission only.	

ENES106 **Achieving Success in Mathematics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-A. James Clark School of Engineering.

An exploration of the skills and habits needed to successfully complete introductory mathematics courses.

Restricted to students in the Summer Bridge Program.

CP01	Daniel Zollers	Seats (Total: 20)
	Meets June 28, 2015 - July 31, 2015	
	MTuWThF 9:00am - 11:00am	EGR 3102

ENES107 **Achieving College Excellence**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-A. James Clark School of Engineering.

An exploration of the skills and habits needed to successfully complete the introductory chemistry course for engineering students. Course will also include strategies for a successful first year experience.

Restricted to students in the Summer Bridge Program.

CP01	Taifa Simpson	Seats (Total: 20)
	Meets June 28, 2015 - July 31, 2015	
	MTuWThF 11:00am - 12:30pm	EGR 3102
	Permission is limited to students in the Summer Bridge Program.	

ENES140 **Discovering New Ventures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Additional information: This course may count as an elective for a student at the University of Maryland, depending on the student's specific degree program. It cannot be counted towards the requirements for the Smith School of Business Entrepreneurship Fellow Program.

Students explore dynamic company startup topics by working in teams to design a new venture. This multi-disciplinary course helps students to learn the basic business, strategy, and leadership skills needed to launch new ventures. Topics include learning how to assess the feasibility of a startup venture, as well as how to apply best practices for planning, launching, and managing new companies. Students discuss a wide range of issues of importance and concern to entrepreneurs and learn to recognize opportunities, assess the skills and talents of successful entrepreneurs, and learn models that help them navigate uncertainty.

WB51	James Green	Seats (Total: 100)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

ENES220 **Mechanics II**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0201	Thomas Beigel	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 12:00pm - 2:20pm	EGR 1108
0501	Stephen Kamakaris	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	MTuWThF 9:00am - 1:00pm	KEB 1200
	Students who wish to register for this section after June 5, 2015, please e-mail summer@umd.edu .	

ENES221 **Dynamics**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0201	Patrick McAvoy	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 12:00pm - 2:20pm	EGR 1104

ENES232 **Thermodynamics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0201	Kristen Hines	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 9:00am - 11:20am	ITV 1111

ENES269C **Topics in Grand Challenges for Engineering in a Global Context; The View from China**

Credits: 3

Grading Method: Regular

General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES269F **Topics in Grand Challenges for Engineering in a Global Context; A Global Perspective on Cybersecurity: France**

Credits: 3

Grading Method: Regular

General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES269G **Topics in Grand Challenges for Engineering in a Global Context; Grand Challenges for Engineering in a Global Context: Germany**

Credits: 3 | Grading Method: Regular | General Education: DSNS, DVCC, SCIS

Special topics course that explores the grand engineering challenges facing the world from a technical, cultural, political, and economic perspective, as well as solutions developed through innovation and technology. Topics can include energy, environment, urban infrastructure, health, safety and security, and engineering the tools of discovery.

Contact department for information to register for this course.

ENES317 **Introduction to Engineering Leadership**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: Permission of ENGR-A. James Clark School of Engineering.

Focus is placed on general leadership theories in addition to real-worl applications of leadership in engineering education, industry, and government.

HY21	Ramsey Jabaji	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Th 5:00pm - 8:00pm	EGR 3102
	Class time/details on ELMs	ONLINE
	During the Summer non-engineering students may take the class.	

ENES458A **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Assessment**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Ghana

Contact department for information to register for this course.

ENES458C **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Monitoring**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458I **Topics in International Engineering; Engineers Without Borders: Leadership Seminar - Implementation**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Formerly: ENES489A.

Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

WB61	Cait von Schnetlage	Seats (Total: 50)
	Meets August 3, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE

ENES462 **Marketing High-Technology Products and Innovations**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examines the opportunities and challenges of marketing high-technology products in turbulent environments requiring rapid decision making with incomplete information. Explores how innovations are introduced at frequent intervals, research-and-development spending is vital, and there are high mortality rates for both products and businesses.

WB41	James Green	Seats (Total: 50)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

ENES463 **Strategies for Managing Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

WB31	Thomas Mierzwa	Seats (Total: 50)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

ENES464 **International Entrepreneurship and Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Focuses on the need for every entrepreneur and innovator to understand the global market in today's hypercompetitive world, and to appreciate how to compete effectively in domestic markets by managing international competitors, suppliers, and influences. Explore how the distinction between foreign and domestic markets is becoming less pronounced. Develop skills to identify and manage opportunities on a global basis.

WB51	Shyam Chidamber	Seats (Total: 50)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

ENES466 **Leading and Financing the Technology Venture**

Credits: 3 Grading Method: Regular

Credit only granted for: ENES466 or BMGT365. Additional information: Course cannot be used to satisfy a major requirement for the Smith School of Business.

Focuses on the challenges of leading and financing new technology ventures. Leadership topics include team selection and formation, aligning rewards with relative contributions of team members, and how early decisions can enable or prevent founders from achieving results that align with their individual motivations for becoming an entrepreneur. Essential tools and methods for building a strong financial foundation for a new technology venture are examined. Includes important accounting principles as well as methods for keeping financial control of the technology venture. Insights are shared on navigating the multitude of financial barriers that may block your entrepreneurial success, as well as how to grow the technology venture from concept through launch.

WB51	Michael Pratt	Seats (Total: 40)
	Meets June 22, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ENES472 **International Business Cultures in Engineering and Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.

The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

Contact department for information to register for this course.

ENES670 **Financial Management and New Venture Financing**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit, Sat-Fail

Provides the essential tools and skills to build a strong financial foundation for a new technology venture. Examines accounting principles as well as methods for keeping firm financial control of the venture. Discusses navigating the multitude of financial barriers that may block entrepreneurial success, as well as how to raise the right amount of capital at the right time from the right source.

Restricted to students in the MPTE Program.

PLM1	Michael Pratt	Seats (Total: 50)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES671 **Legal Aspects of Entrepreneurship**

Credits: 3

Grading Method: Regular, Audit

Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.

Restricted to students in the MPTE Program.

Click here for more course information.

PLM1	Wilson White	Seats (Total: 50)	
	Meets June 1, 2015 - August 23, 2015		
	Class time/details on ELMs	ONLINE	
	Restricted to students in the MPTE Program.		

ENFP Engineering, Fire Protection Summer 2015

ENFP312 **Heat and Mass Transfer**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENFP300. Restriction: Permission of ENGR-Fire Protection Engineering department.

Fundamentals of heat and mass transfer. Conduction, convection, and radiation modes of heat transfer. Diffusion concepts and evaporation phenomena. Problem solving techniques with application to fire problems.

0201	Vivien Lecoustre	Seats (Total: 20)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 1:00pm - 4:15pm	JMP 1202	
	W 1:30pm - 3:00pm	JMP 1202	Discussion

ENFP429 **Independent Studies**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.

Contact department for information to register for this course.

ENFP627 **Smoke Detection and Management**

(Perm req) Credits: 3 Grading Method: Regular

Prerequisite: ENFP300. Also offered as: ENFP440. Credit only granted for: ENFP627 or ENFP440.

Analysis of hazard smoke. Response analysis of smoke detectors based on characteristics of detectors and properties of smoke. Performance characteristics and limitations of smoke management systems. Capabilities and limitations of analytical design aids.

EF01	James Milke	Seats (Total: 40)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ENFP629 Selected Topics

Credits: 3-6 Grading Method: Regular, Audit

Current research, studies in fire protection engineering. Future trends and significant changes in research, professional areas. The professional standards process.

Contact department for information to register for this course.

ENFP649 Special Problems

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty from the current literature to suit the special needs and background of students, or for individual students who have definite plans of individual study.

Contact department for information to register for this course.

ENFP663 Advanced Fire Risk Modeling

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENFP629R or ENFP663. Formerly: ENFP629R.

This on-line course addresses the fundamentals of fire risk modeling from both theoretical and applied perspectives.

EF01	Francisco Joglar	Seats (Total: 40)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ENFP799 Master's Thesis Research

Credits: 1-6 Grading Method: Regular, Sat-Fail

Development and completion of Master's Thesis.

Contact department for information to register for this course.

ENGL English Summer 2015

ENGL101 Academic Writing

Credits: 3 Grading Method: Regular General Education: FSAW

An introductory course in expository writing.

An introductory course in academic writing.

Click here for more course information.

0101	John Kim **Meets June 1, 2015 - July 12, 2015** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 0201
0201	Susan Pramschufer **Meets July 13, 2015 - August 23, 2015** TuTh 1:00pm - 4:30pm	Seats (Total: 6) TWS 0207
0501	Elizabeth Ellis **Meets June 22, 2015 - July 31, 2015** MTuWThF 11:15am - 12:35pm *To register for this course after June 5, 2015, e-mail summer@umd.edu.*	Seats (Total: 19) TWS 1107
WB11	Thomas Earles **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Douglas Kern **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	Lyra Hilliard **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE

WB22	David Brookshire **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
XA21	Susan Pramschufer **Meets July 13, 2015 - August 23, 2015** TuTh 1:00pm - 4:30pm	Seats (Total: 13) TWS 0207

ENGL222 **American Literature: 1865 to Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL | General Education: DSHU

Surveys American writing from the Civil War through the Cold War. Authors such as Clemens, Frost, Hurston, Bellow.

Click here for more course information.

WB11	Susanna Compton **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

ENGL233 **Introduction to Asian American Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed AAST233. Also offered as: AAST233. Credit only granted for: AAST233, AAST298L, or ENGL233.

A survey of Asian American literatures with an emphasis on recurrent themes and historical context.

WB21	William Gonch **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

ENGL245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

Click here for more course information.

0601	Steve Beaulieu **Meets August 3, 2015 - August 21, 2015** MTuWTh 9:00am - 12:20pm *Students who wish to register for this section after July 17, 2015, please email summer@umd.edu.*	Seats (Total: 12) TWS 0205
FF61	Steve Beaulieu **Meets August 3, 2015 - August 21, 2015** MTuWTh 9:00am - 12:20pm *Restricted to students in Freshman First. For Program information click here .*	Seats (Total: 10) TWS 0205
WB21	Oliver Gaycken **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs *Click here for more course information.*	Seats (Total: 25) ONLINE
YS41	Lauren Albright **Meets July 13, 2015 - July 31, 2015** MTuWThF 10:00am - 1:00pm *This section is part of the Young Scholars Program. Enrollment is by permission only. Please access the Summer Programs website for further information.*	Seats (Total: 25) TWS 1105

ENGL250 **Reading Women Writing**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Also offered as: WMST255. Credit only granted for: ENGL250 or WMST255.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

Also offered as WMST255.

Click here for more course information.

WB21	John Macintosh	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed LGBT265. Also offered as: LGBT265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

WB21	Robert Wakeman	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ENGL269A **Special Topics in Study Abroad II; American Writers in Paris**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL269I **Special Topics in Study Abroad II; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL271 **Writing Poems and Stories: An Introductory Workshop**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Introduction to theory and practice of writing fiction and poetry. Emphasis on critical reading of literary models. Exercises and workshop discussions with continual reference to modeling, drafting, and revising as necessary stages in a creative process.

WB11	Lindsay Bernal	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ENGL304 **The Major Works of Shakespeare**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Restriction: Must not have completed ENGL403 or ENGL404.

Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

Click here for more course information.

WB21	Kimberly Coles	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

ENGL329B **Special Topics in Film Studies; English Literature on Film in the Twenty-First Century**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Studies in various periods and genres of film.

WB11	Joseph Byrne	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ENGL348G **Literary Works by Women; Jane Austen: Novels, Films, Adaptations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

The context, form, style and meaning of literary works by women.

WB11	Tita Chico	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

ENGL359F **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Study of selected writers or particular themes in Lesbian, Gay, and Bisexual Literatures.

Also offered as LGBT327. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ENGL369A **Special Topics in Study Abroad III; American Writers in Paris**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369J **Special Topics in Study Abroad III; Ireland: James Joyce's Dublin**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369K **Special Topics in Study Abroad III; Great Directors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369P **Special Topics in Study Abroad III; Politics and Science Fiction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369R **Special Topics in Study Abroad III; Great Actors**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL388P **Writing Internship; Pre-professional Writing Skills Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Field work in English.

WB21	Karen Lewis **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

ENGL391 **Advanced Composition**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

0102	Vessela Valiavitcharska **Meets June 1, 2015 - July 12, 2015** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0230
0107	Pamela Gerhardt **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0230
0201	Mark Forrester **Meets July 13, 2015 - August 23, 2015** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 0221

0204	Melanie Faith **Meets July 13, 2015 - August 23, 2015** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0232

ENGL393 **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

0101	Amanda Olson **Meets June 1, 2015 - July 12, 2015** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0102	Mary Shea **Meets June 1, 2015 - July 12, 2015** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0108	Paul Haynos **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0224
0112	Connie Inukai **Meets June 1, 2015 - July 12, 2015** TuTh 6:00pm - 9:15pm	Seats (Total: 19) TWS 0232
0202	Joseph Wappel **Meets July 13, 2015 - August 23, 2015** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0224
0206	Rebecca Ritzel **Meets July 13, 2015 - August 23, 2015** MW 6:00pm - 9:15pm	Seats (Total: 19) TWS 0214
0209	Michael Winett **Meets July 13, 2015 - August 23, 2015** TuTh 6:00pm - 9:15pm	Seats (Total: 19) TWS 0224

WB11	Phillip Moses **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Sheila Lalwani **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB13	Phillip Moses **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	Pamela Orel **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	Samantha Gendler **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB23	Andrew Delfino **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL393X **Technical Writing**

(Perm req)

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

For students for whom English is a second language. By permission from Grace Crussiah (gjc@umd.edu) only.

0103	Daniel Saalfeld **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:15pm	Seats (Total: 15) TWS 0232

ENGL394 **Business Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Intensive practice in the forms of written communication common in the business world-letters, memos, short reports, and proposals. Principles of rhetoric and effective style.

0101	Mary Turner **Meets June 1, 2015 - July 12, 2015** MW 9:30am - 12:45pm	Seats (Total: 19) TWS 1105
0202	Danuta Hinc **Meets July 13, 2015 - August 23, 2015** TuTh 9:30am - 12:45pm	Seats (Total: 19) TWS 0232
WB11	Katherine Wilson **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Clare Parsons **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	Clare Parsons **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	Daune O'Brien **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL395 Writing for Health Professions

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

Focus on accommodating technical material and empirical studies to lay audiences, and helping writers to achieve stylistic flexibility and correctness.

0102	John Matthews	Seats (Total: 19)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:30am - 12:45pm	TWS 1105

ENGL409C **Study Abroad Special Topics IV; Shakespeare's Italian Plays**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409M **Study Abroad Special Topics IV; Literature, Art and Architecture in London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL409Y **Study Abroad Special Topics IV; Travel Writing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL429 **Independent Research in English**

(Perm req)

Credits: 1-6 Grading Method: Regular

An advanced independent research project for qualified students, supervised by an English faculty member, on a topic not ordinarily covered in available courses.

Contact department for information to register for this course.

ENGL452 **English Drama From 1660 to 1800**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Two English courses in literature; or permission of ARHU-English department.

Restoration and eighteenth-century drama, with special attention to theater history, cultural influences, concepts of tragedy, comedy, farce, parody, and burlesque, as well as dramatic and verbal wit.

Also offered as ENGL623.

Click here for more course information.

HY11	Laura Rosenthal	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Tu 1:00pm - 4:15pm	TWS 3132
	Th 1:00pm - 4:15pm	ONLINE

ENGL489L **Special Topics in English Language; Language and Humor**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Current topics in language, such as linguistics, history of rhetoric, and composition studies.

0201	Linda Coleman	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	MW 1:00pm - 4:30pm	TWS 1106

ENGL605 **Readings in Linguistics**

Credits: 3 Grading Method: Regular, Audit

A survey of theoretical and applied linguistics.

In Summer of 2015, this course is cross listed with and has same content as 489L, Language and Humor.

0201	Linda Coleman	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	MW 1:00pm - 4:30pm	TWS 1106

ENGL623 **Readings in Eighteenth-Century English Literature**

Credits: 3 Grading Method: Regular, Audit

HY11	Laura Rosenthal	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Tu 1:00pm - 4:15pm	TWS 3132
	Th 1:00pm - 4:15pm	ONLINE

ENGL699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

ENGL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENGL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Pedagogical mentoring by roster faculty members for graduate students teaching 200-level literature courses.

0201	Instructor: TBA	Seats (Total: 1)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ENGL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENMA Engineering, Materials Summer 2015

ENMA489 **Selected Topics in Engineering Materials**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in materials science and engineering.

0101	Marina Leite	Seats (Total: 1)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

ENMA499 **Senior Laboratory Project**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students work with a faculty member on an individual laboratory project in one or more of the areas of engineering materials. Students will design and carry out experiments, interpret data and prepare a comprehensive laboratory report.

0201	Robert Briber	Seats (Total: 1)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ENMA698 **Special Problems in Materials Science and Engineering**

Credits: 1-3 Grading Method: Regular, Audit

Individual, supervised study in materials science and engineering.

Contact department for information to register for this course.

ENMA797 **Independent Study**

Credits: 3 Grading Method: Regular, Audit

This course is designed to provide students with a directed independent study course in order to prepare the scholarly paper required for the master's degree without thesis degree option.

0101	Raymond Phaneuf	Seats (Total: 2)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

ENMA799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENMA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENMA899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENME Engineering, Mechanical Summer 2015

ENME331 **Fluid Mechanics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES232 and ENES221. Also offered as: BIOE331. Credit only granted for: BIOE331 or ENME331.

Principles of fluid mechanics. Mass, momentum and energy conservation. Hydrostatics. Control volume analysis. Internal and external flow. Boundary layers. Modern measurement techniques. Computer analysis. Laboratory experiments.

0102	Xinan Liu	Seats (Total: 49)	
	Meets June 1, 2015 - July 12, 2015		
	MW 12:30pm - 4:00pm	EGR 0110	

ENME332 **Transfer Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME331.

The principles of heat transfer. Conduction in solids. Convection. Radiation. Modern measurement techniques. Computer analysis.

0101	Amir Shooshtari, Michael Ohadi	Seats (Total: 25)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 10:00am - 1:30pm	ITV 1111	

ENME351 **Electronics and Instrumentation II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS271, ENME350, and PHYS270.

Continuation of ENME 350. Modern instrumentation. Basic circuit design, standard microelectronic circuits. Digital data acquisition and control. Signal conditioning. Instrumentation interfacing. Designing and testing of analog circuits. Laboratory experiments.

0101	Krishnanand Kaipa Narasimha	Seats (Total: 15)	
	Meets June 1, 2015 - July 12, 2015		
	MW 11:30am - 1:30pm	EGR 1102	
	MW 1:40pm - 3:40pm	EGR 1102	Lab

ENME361 **Vibration, Controls and Optimization I**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Vincent Nguyen	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 9:00am - 12:30pm	EGR 1108	

ENME392 **Statistical Methods for Product and Processes Development**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

Prerequisite: MATH241.

Integrated statistical methodology for the improvement of products and processes in terms of performance, quality and cost. Designed experimentation. Statistical process control. Software application. Laboratory activities.

Students have the option to meet in JMP2121.

HY21	David Bigio	Seats (Total: 28)	
	Meets July 13, 2015 - August 23, 2015		
	MW 11:00am - 1:00pm	JMP 2121	
	Class time/details on ELMs	ONLINE	Discussion

ENME400 **Machine Design**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Thomas Beigel	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 4:00pm - 6:45pm	EGR 1108
	Th 4:00pm - 6:00pm	EGR 1108
0201	Thomas Beigel	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	MW 4:00pm - 6:00pm	EGR 1108
	Tu 3:00pm - 5:45pm	EGR 1108
	Th 3:00pm - 5:00pm	EGR 1108

ENME414 **Computer-Aided Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME 414 or ENME272.

Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0301	Guangming Zhang	Seats (Total: 29)
	Meets June 1, 2015 - June 19, 2015	
	MTuWThF 8:00am - 11:00am	EGR 0312
0302	Guangming Zhang	Seats (Total: 42)
	Meets June 1, 2015 - June 19, 2015	
	MTuWThF 12:00pm - 3:00pm	KEB 2111

ENME462 **Vibrations, Controls, and Optimization II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351 and ENME361.

Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Mostafa Nouh	Seats (Total: 32)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 8:00am - 10:00am	EGR 3106

ENME470 **Finite Element Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Senior standing; and permission of ENGR-Mechanical Engineering department.

Basic concepts of the theory of the finite element method. Applications in solid mechanics and heat transfer.

Course will meet on KEB1200 for 07/14/15 and 07/21/15.

0201	Chandrasekhar Thamire	Seats (Total: 42)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 10:00am - 1:30pm	KEB 2111

ENME488 **Special Problems**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Contact department for information to register for this course.

ENME635 **Energy Systems Analysis**

Credits: 3 Grading Method: Regular, Audit

Rankine cycles with nonazeotropic working fluid mixtures, two-, multi- and variable-stage absorption cycles and vapor compression cycles with solution circuits. Power generation cycles with working fluid mixtures. Development of rules for finding all possible cycles suiting a given application or the selection of the best alternatives.

Contact department for information to register for this course.

ENME701 **Sustainable Energy Conversion and the Environment**

Credits: 3 Grading Method: Regular, Audit

Recommended: ENME633. Credit only granted for: ENME701, ENME706 or ENME808D. Formerly: ENME706 and ENME808D.

Discussion of the major sources and end-uses of energy in our society with particular emphasis on renewable energy production and utilization. Introduces a range innovative technologies and discusses them in the context of the current energy infrastructure. Renewable sources such as wind and solar are discussed in detail. Particular attention is paid to the environmental impact of the various forms of energy.

Contact department for information to register for this course.

ENME799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

ENNU Engineering, Nuclear Summer 2015

ENNU620 **Mathematical Techniques for Engineering Analysis and Modeling**

Credits: 3 Grading Method: Regular

Also offered as: ENRE620.

Probability and probability distributions; statistics; ordinary differential equations; linear algebra and vectors; Laplace transform; Fourier analysis; boundary value problems; series solutions to differential equations; partial differential equations; numerical methods.

0201	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 20) JMP 2222
ER02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 15) ONLINE
HT02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
NE02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 10) ONLINE
RE02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 5) ONLINE
SG02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
SM02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

ENNU899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Mohamad Al-Sheikhly **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)

ENPM Engineering, Professional Masters Summer 2015

ENPM621 **Heat Pump and Refrigeration Systems Design Analysis**

Credits: 3

Grading Method: Regular, Audit

Thermal engineering of heat pump and refrigeration systems and thermal systems modeling. Thermodynamics and heat transfer. Cycle analysis, alternative refrigerants, graphical analysis using property charts. Analysis of applications such as space conditioning, food perservation, manufacturing, heat recovery and cogeneration.

CP01	Jiazhen Ling **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 25) JMP 2217
HT01	Jiazhen Ling **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SG01	Jiazhen Ling **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	Jiazhen Ling **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENPM652 **Applied Finite Element Methods**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must not have completed ENME674. Credit only granted for: ENME 674, ENPM652 or ENPM808F. Formerly: ENPM808F.

For engineering and science students with little or no previous knowledge of the FEM. Study of FEM, using straightforward mathematics. Students should understand basic concepts and equations of elasticity and thermal heat flow, be familiar with simple matrix algebra. Covers stress analysis and thermal analysis problems. ANSYS finite element code will be used for examples and homework solutions. Basic problem solving procedure will be developed for using finite element computer codes.

CP01	John Clayton **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 25) JMP 2222

DE01	John Clayton **Meets June 1, 2015 - July 25, 2015** Class time/details on ELMs	Seats (Total: 5) ONLINE
HT01	John Clayton **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SG01	John Clayton **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	John Clayton **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENPM654 **Energy Systems Management**

Credits: 3 Grading Method: Regular, Audit

Formerly: ENPM808E.

Covers a wide range of energy management and energy efficiency topics including energy auditing, energy efficient lighting systems and motors, demand limiting and control, control strategies for optimization, direct digital control, integrated building automation systems, communication networks, distributed generation, cogeneration, combined heat and power, process energy management and the associated economic analyses. Included will be the latest internet based technologies for accessing real-time energy pricing and managing energy demand remotely for multiple buildings or campuses.

CP01	Brian Valentine **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 20) JMP 2216
HT01	Brian Valentine **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
ME01	Brian Valentine **Meets June 1, 2015 - July 25, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

SG01	Brian Valentine **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	Brian Valentine **Meets June 1, 2015 - July 25, 2015** TuTh 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENPM675 **Operating System Design**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Undergraduate coursework in computer organization and assembly language programming. Credit only granted for: ENPM675 or ENPM808O. Formerly: ENPM808O.

An overview that covers process management (processes and threads, process scheduling, and process synchronization and communication), memory management (main and virtual), storage management (file and I/O), and protection and security.

CP01	Manoj Franklin **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 25) JMP 2216
HT01	Manoj Franklin **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SG01	Manoj Franklin **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA
SM01	Manoj Franklin **Meets June 1, 2015 - July 25, 2015** MW 6:00pm - 8:40pm	Seats (Total: 5) Location: TBA

ENPM808 **Advanced Topics in Engineering**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	George Syrmos **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
CP02	George Syrmos **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

ENPM808D **Advanced Topics in Engineering; Security Tools for Information Security**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	Kevin Shivers **Meets June 1, 2015 - August 23, 2015** W 5:30pm - 8:45pm	Seats (Total: 20) JMP 2121
CY01	Kevin Shivers **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE
HT01	Kevin Shivers **Meets June 1, 2015 - August 23, 2015** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SG01	Kevin Shivers **Meets June 1, 2015 - August 23, 2015** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA
SM01	Kevin Shivers **Meets June 1, 2015 - August 23, 2015** W 5:30pm - 8:45pm	Seats (Total: 5) Location: TBA

ENPM808I **Advanced Topics in Engineering; Innovative Reactor Design**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

NE01	Matthew Forsbacka	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

ENPM808V **Advanced Topics in Engineering; Chemistry of Pyrotechnics**

Credits: 3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

PE01	Ruth Doherty	Seats (Total: 25)
	Meets June 1, 2015 - July 25, 2015	
	Class time/details on ELMs	ONLINE

ENRE Reliability Engineering Summer 2015

ENRE447 **Fundamentals of Reliability Engineering**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ENRE445 or ENRE447. Formerly: ENRE445.

Topics covered include: fundamental understanding of how things fail, probabilistic models to represent failure phenomena, life-models for non-repairable items, reliability data collection and analysis, software reliability models, and human reliability models.

Contact department for information to register for this course.

ENRE600 **Fundamentals of Failure Mechanisms**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENMA698M, ENNU648M, or ENRE600.

Physical, chemical, and thermal related failures are introduced through a basic understanding of degradation mechanisms such as diffusion, electromigration, defects and defect migration. The failure mechanisms in basic material types will be taught. Failure mechanisms observed in real devices will also be presented. Problems related to manufacturing, and achieving quality and reliability will be analyzed. Mechanical failures are emphasized from the point of view of complex fatigue theory. The mathematical and statistical basis for analysis is presented as well as Failure Mode and Failure Anaylsis.

Contact department for information to register for this course.

ENRE602 **Reliability Analysis**

Credits: 3 Grading Method: Regular, Audit

Principal methods of reliability analysis, including fault tree and reliability block diagrams; Failure Mode and Effects Analysis (FMEA); event tree construction and evaluation; reliability data collection and analysis; methods of modeling systems for reliability analysis. Focus on problems related to process industries, fossil-fueled power plant availability, and other systems of concern to engineers.

Contact department for information to register for this course.

ENRE620 **Mathematical Techniques of Reliability Engineering**

Credits: 3 Grading Method: Regular, Audit

Also offered as: ENNU620.

Basic probability and statistics (required for ENRE 600 and ENRE 602). Application of selected mathematical techniques to the analysis and solution of reliability engineering problems. Applications of matrices, vectors, tensors, differential equations, integral transforms, and probability methods to a wide range of reliability related problems.

0201	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 20) JMP 2222
ER02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 15) ONLINE
HT02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
NE02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 10) ONLINE
RE02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 5) ONLINE

SG02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA
SM02	Mehdi Amiri Darehbidi **Meets July 13, 2015 - August 23, 2015** MW 5:15pm - 9:00pm	Seats (Total: 10) Location: TBA

ENRE642 **Reliability Engineering Management**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Unifying systems perspective of reliability engineering management. Design, development and management of organizations and reliability programs including: management of systems evaluation and test protocols, development of risk management-mitigation processes, and management of functional tasks performed by reliability engineers.

0101	Frederick Schenkelberg **Meets June 1, 2015 - June 12, 2015** MTuWThF 9:00am - 3:00pm	Seats (Total: 10) JMP 2216
ER01	Frederick Schenkelberg **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 15)
RE01	Frederick Schenkelberg **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

ENRE648 **Special Problems in Reliability Engineering**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

For students who have definite plans for individual study of approved problems. Credit given according to extent of work.

Contact department for information to register for this course.

ENRE655 **Advanced Methods in Reliability Modeling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ENRE602. Credit only granted for: ENRE655 or ENRE665. Formerly: ENRE665.

Bayesian methods and applications, estimation of rare event frequencies uncertainty analysis and propagation methods, reliability analysis of dynamic systems, analysis of dependent failures, reliability of repairable systems, human reliability analysis methods and theory of logic diagrams and application to systems reliability.

Contact department for information to register for this course.

ENRE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENSP Environmental Science and Policy Summer 2015

ENSP386 **Internship**

Credits: 3-6 Grading Method: Regular

Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

Contact department for information to register for this course.

ENSP399 **Special Topics in Environmental Science and Policy**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

0131	Jennifer Murrow	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0231	Jennifer Murrow	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

ENST Environmental Science and Technology Summer 2015

ENST389 **Internship**

(Perm req)

Credits: 3 Grading Method: Sat-Fail

Credit will be granted for practical work carried out by students place in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.

Contact department for information to register for this course.

ENST424 **Field Study in Soil Morphology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENST200. Credit only granted for: ENST424 or NRSC424. Formerly: NRSC424. Additional information: Students must pay a $300 course activities fee.

The fundamentals of making morphological descriptions of soils, using standard techniques, terminology, and abbreviations of the National Cooperative Soil Survey. Given a regional perspective and reasonable assumptions regarding soil properties, students should become competent to classify soils which they have described in the field and also make interpretations concerning the suitability of soils for various potential uses.

Students must pay a $300 course activity fee. Meets May 26 - June 5, 2015 AND June 15 - 19, 2015 (Class will not meet from June 8 to June 12.)

0101	Martin Rabenhorst	Seats (Total: 10)
	Meets May 26, 2015 - June 19, 2015	
	MTuWThF 7:00am - 7:00pm	Location: TBA

ENST489 **Field Experience**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Planned field experience for both major and non-major students.

Contact department for information to register for this course.

ENST499 **Special Topics in Environmental Science and Technology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Contact department for information to register for this course.

ENST499P **Special Topics in Environmental Science and Technology; Ecology and Natural Resources Management in Brazil**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

An independent study, and/or lecture, and/or laboratory series organize to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

Contact department for information to register for this course.

ENST608 **Research Methods**

Credits: 1-4

Grading Method: Regular, Audit

Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.

Contact department for information to register for this course.

ENST608A **Research Methods; Field Studies in Pedology**

Credits: 1

Grading Method: Regular, Audit

Development of research viewpoint by detailed study and report on crop and soil research of the Maryland Agriculture Experiment Station or review and discussion of literature on specific agricultural problems or new research techniques.

Contact department for information to register for this course.

ENST689A **Special Topics; Advanced Watershed Ecosystem Sustainability**

Credits: 1

Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

0101	Paul Leisnham	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 2:00pm - 3:15pm	ANS 1420

ENST689P **Special Topics; Ecology and Natural Resources Management in Brazil**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

Contact department for information to register for this course.

ENST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENTS Telecommunications Summer 2015

ENTS699 **Independent Study in Telecommunications**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. See ENTS program office for section number.

Contact department for information to register for this course.

ENTS699R **Independent Study in Telecommunications; Analytical Foundations of Telecommunications**

Credits: 1 Grading Method: Regular, Audit

Individual instruction course. See ENTS program office for section number.

0201	Alejandra Mercado	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	F 5:30pm - 7:35pm	KEB 1200

ENTS759C **Advanced Topics in Communications; Optimization, Drivetesting, and Analysis of Modern Cellular Networks**

Credits: 3 Grading Method: Regular, Audit

Selected advanced topics in communications.

0101	Michael Dellomo	Seats (Total: 15)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 5:30pm - 8:15pm	AVW 1458	
	W 3:00pm - 8:00pm	AVW 1458	Lab

EPIB Epidemiology and Biostatistics Summer 2015

EPIB610 **Foundations of Epidemiology**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EPIB610 or HLTH720. Formerly: HLTH720.

Introduction to the discipline of epidemiology and its applications to health issues and practices. Basic epidemiologic concepts and methods will be covered.

0101	Olivia Carter-Pokras	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 4:00pm - 7:10pm	SPH 0303

EPIB651 **Biostatistics II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: EPIB650. Recommended: EPIB698C (SAS Basics).

Introduction to a variety of statistical tools with applictions in public health, including one- and two-sample inference, nonparametric methods, categorical data, ANOVA, simple and mutiple regression.

0201	Shuo Chen	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 1:00pm - 4:30pm	SPH 0307

EPIB698E **Special Topics in Epidemiology and Biostatistics; SAS Programming**

Credits: 3 Grading Method: Regular, Audit

Open to master or doctoral students who desire to pursue special topics in Epidemiology and Biostatistics.

The course is designed for students who want to learn how to analyze and summarize data using SAS. The course begins by introducing the students to basic SAS programming and data manipulation techniques. More advanced themes, such as preliminary data analysis and graphs, are explored later in the semester. Finally, the class covers the implementation of several advanced statistical concepts in SAS, including T-tests, ANOVA, non-parametric tests, regression and normality tests.

0201	Raul Cruz-Cano	Seats (Total: 15)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 4:00pm - 7:20pm	SPH 0227

EPIB785 **Internship in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

I109	Brit Saksvig	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
I209	Brit Saksvig	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

EPIB786 **Capstone Project in Public Health**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

EPIB798 **Independent Study**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-3 Grading Method: Regular

Contact department for information to register for this course.

EPIB899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EXST Office of Extended Studies Summer 2015

EXST001 **Residential Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST002 **Commuter Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST003 **International Residential Package**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST010 **Hear Me Out! An Introduction to Public Speaking and Debate**

(Perm req)

Credits: 0 Grading Method:

YD41	Thomas McCloskey	Seats (Total: 25)
	Meets July 20, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:30pm	EDU 2102
	This is part of the Young Scholars Discovery program.	

EXST011 **Designing Your Own Business**

(Perm req)

Credits: 0 Grading Method:

YD41	Akbar Dawood	Seats (Total: 20)
	Meets July 20, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:30pm	TWS 0207
	This is part of the Young Scholars Discovery program.	

EXST014 **Exploring Architecture**

(Perm req)

Credits: 0 Grading Method:

YD41	Jason Winters	Seats (Total: 20)
	Meets July 20, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:30pm	ARC 1127
	This is part of the Young Scholars Discovery program.	

EXST016 **Science Detectives: An Introduction to Forensic Science**

(Perm req)

Credits: 0 Grading Method:

YD41	Kenneth Sossa	Seats (Total: 20)
	Meets July 20, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:30pm	HJP 1229
	This is part of the Young Scholars Discovery program.	

EXST017 **Animal Biology**

(Perm req) Credits: 0 Grading Method:

YD41	Danielle Adams	Seats (Total: 20)
	Meets July 20, 2015 - July 31, 2015	
	MTuWThF 9:00am - 12:30pm	HJP 1236
	This is part of the Young Scholars Discovery program.	

EXST075 **Special Topic Seminar and Workshop**

Credits: 0 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EXST076 **Introduction to the Program**

Credits: 0 Grading Method:

Contact department for information to register for this course.

EXST210 **Pedagogy and Second Language Acquisition**

Credits: 0 Grading Method:

Contact department for information to register for this course.

FILM Film Studies Summer 2015

FILM245 **Film Form and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB21	Oliver Gaycken	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

FILM329B **Special Topics in National/International Cinemas; Forbidden Films: Global Perspectives on Cinema Censorship**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Also offered as SLLC368B. Credit will only be offered for FILM329B or SLLC368B. We will screen some of the most important films censored in different nations and cultures throughout the history of cinema. These films, censored, challenged, or banned on political, social, sexual, religious grounds, and for violent contents, will provide fascinating material to consider the relationship between culture and politics, morality and ideology. Films may come from the U.S, the Soviet Union, Britain, Italy,Canada, China, India, Japan, Thailand, and Germany.

WB11	Jason Kuo	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

FMSC Family Science Summer 2015

FMSC111 **Credit Cards and College Students**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.

Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

WB31	Jinhee Kim	Seats (Total: 40)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

FMSC260 **Couple Relationships**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS

Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.

Couple relationships and their alternatives in contemporary dating, courtship and marriage.

WB21	Elise Resnick	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

FMSC280 **Global, Child & Family Health: Getting There Via E-Communications**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, SCIS

Credit only granted for: FMSC280 or FMSC289G. Formerly: FMSC289G.

Students will learn about global maternal, child and family health issues and how these issues may affect their lives. Interdisciplinary teams of students will collaborate to develop programs aimed at improving global family health through the use of information and communications technologies.

WB41	Jacqueline Wallen	Seats (Total: 43)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

FMSC302 **Research Methods in Family Science**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DSSP

Prerequisite: Must have completed an introductory statistics course. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC302 or FMST302. Formerly: FMST302.

Introduction to the methods of the social and behavioral sciences employed in family science. The role of theory, the development of hypotheses, measurement, design, and data analysis.

0101	Katheryne Downes	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	TuWTh 10:30am - 12:35pm	SPH 0303

FMSC330 **Family Theories and Patterns**

Credits: 3 | Grading Method: Regular, Audit | General Education: DSHS, DVUP

Restriction: Junior standing or higher. Credit only granted for: FMSC330 or FMST330. Formerly: FMST330.

Theory and research on the family, including a cross-cultural analysis of family patterns.

0301	Robyn Zeiger **Meets June 1, 2015 - June 19, 2015** MTuWTh 9:30am - 12:55pm	Seats (Total: 50) SPH 1301

FMSC332 **Children in Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS

Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.

A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

WB11	Christine Schull **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 40) ONLINE
WB21	Lauren Messina **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 40) ONLINE

FMSC341 **Personal and Family Finance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

WB11	William Knight **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE
WB22	William Knight **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 33) ONLINE

FMSC381 **Poverty, Affluence, and Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DSHS, DVUP

Prerequisite: SOCY100 or SOCY105. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC381 or FMST381. Formerly: FMST381.

Social, political, cultural and economic factors influencing income and wealth in American families.

WB21	Kevin Roy	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

FMSC383 **Delivery of Human Services to Families**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.

Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

0201	Marian Jones	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	MW 9:30am - 12:50pm	SPH 0302

FMSC386 **Experiential Learning**

(Perm req)

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Family Science department. Restriction: Junior standing or higher. Credit only granted for: FMSC386 or FMST386. Formerly: FMST386.

Contact department for information to register for this course.

FMSC399 **Independent Study**

(Perm req)

Credits: 1-6 | Grading Method: Regular, Pass-Fail, Audit

Individualized family and community studies projects of interest to student and faculty.

Contact department for information to register for this course.

FMSC425 **Military and Veteran Family Services**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC425 or FMSC498W. Formerly: FMSC498W.

Overview of issues impacting contemporary military families including during times of war. Identification of challenges faced by military families related to deployment/reunion and mental and physical health, as well as support systems available. Examination of skills and strategies for working with service members, veterans, and military families.

WB41	Patricia Fanflik	Seats (Total: 45)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

FMSC445 **Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: A basic course in human sexuality; and permission of instructor. Also offered as: FMSC645. Credit only granted for: FMSC445 or FMSC498T. Formerly: FMSC498T.

Typical, dysfunctional, and pathological sexual functioning, including effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions of such issues affect work with people, and emphasizes implications for marriage and family therapy.

0101	Norman Epstein	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:30am - 12:50pm	Location: TBA

FMSC460 **Violence in Families**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

WB31	Christine Schull	Seats (Total: 45)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

FMSC477 **Internship and Analysis in Family Science**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC383; and 9 credits in FMSC courses; and permission of SPHL-Family Science department. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC477, FMST347, or FMST477. Formerly: FMST477.

A supervised internship and a seminar requiring analysis. Opportunities to integrate theory and practice including 120 hours of contracted field experience. Summer or fall internship contracts due May 1; Spring contracts due December 1. See department for application procedures.

A planned, supervised internship complemented by analysis. Opportunities to integrate theory and practice. Field experience requires minimum of 120 hours per semester.

0101	Zainab Okolo	Seats (Total: 45)
	Meets June 1, 2015 - August 21, 2015	
	W 9:30am - 11:00am	SPH 0308
	Contact instructor or department for details.	

FMSC487 **Legal Aspects of Family Problems**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

WB31	Kerry Tripp	Seats (Total: 40)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE
WB51	Kerry Tripp	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	To register for this course after June 5, 2015, e-mail summer@umd.edu.	

FMSC498 **Special Topics: Family Science**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Special course topics in family studies.

Individual family studies instruction course on topics of interest to student and faculty.

Contact department for information to register for this course.

FMSC645 **Sexuality: Issues in Family Therapy and Service Delivery**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a basic course in human sexuality. Restriction: Permission of instructor. Credit only granted for: FMSC645 or FMST645. Formerly: FMST645.

Typical, dysfunctional, and pathological sexual functioning: effects on individuals, couples, and family systems. Sensitizes students to sexual issues, explores how perceptions or such issues affect work with people, and emphasizes implications for marriage and family therapy.

0101	Norman Epstein **Meets June 1, 2015 - July 12, 2015** TuTh 9:30am - 12:50pm	Seats (Total: 20) Location: TBA

FMSC654 **Clinical Marriage and Family Therapy Practice**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program. Credit only granted for: FMSC654 or FMST654. Formerly: FMST654.

Application of theory and technique to the clinical practice of marriag and family therapy. Emphasis on case management and clinic administration. Includes completion of 12 successive months and 500 hours of supervised, direct client contact with couples, families, and individuals from an integrative family systems perspective.

0101	Carol Werlinich **Meets June 1, 2015 - July 12, 2015** M 8:00am - 4:30pm	Seats (Total: 15) Location: TBA
0201	Carol Werlinich **Meets July 13, 2015 - August 23, 2015** M 8:00am - 4:30pm	Seats (Total: 15) Location: TBA

FMSC658 **Supervised Clinical Practice of Marriage and Family Therapy**

Credits: 1-2 Grading Method: Regular, Audit

The supervision of marriage and family therapy client contact. Various family systems models of supervision applied via extant methods, including live, videotaped, and audiotaped.

0101	Carol Werlinich **Meets June 1, 2015 - July 12, 2015** W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA
0201	Carol Werlinich **Meets July 13, 2015 - August 23, 2015** W 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 15) Location: TBA

FMSC689 **Research Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Internship related to student's chosen specialization.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Contact department for information to register for this course.

FMSC698V **Advanced Topics in Family Science; Violence in Families**

Credits: 3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

WB31	Christine Schull **Meets June 1, 2015 - June 19, 2015** Class time/details on ELMs	Seats (Total: 45) ONLINE

FMSC699 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

FMSC789 **Non-Thesis Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Non-thesis option research papers.

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

FMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

FREN French Summer 2015

FREN103 **Intensive Elementary French**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed FREN102; and must not be a native/fluent speaker of French. Credit only granted for: FREN102 or FREN103.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

WB11	Lindsey Reinstrom	Seats (Total: 25)
	Meets June 1, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	This online section will be partially synchronous. Meeting times will be discussed the first day of class.	

FREN203 **Intensive Intermediate French**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: FREN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of French. Credit only granted for: FREN201 or FREN203.

Covers speaking, reading, writing, listening, and culture of French-speaking world.

WB11	Daniel Bowman **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB21	Meghan Cleereman **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

FREN204 **French Grammar and Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to native/fluent speakers of French.

Intensive study of French grammar and composition.

WB11	Abby Broughton **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

FREN211 **French Reading and Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: FREN201 or FREN203. Restriction: Must not be a native/fluent speaker of French.

Practice in spoken French at intermediate level based on readings in a variety of genres. Written homework and exams.

Contact department for information to register for this course.

FREN269A **Special Topics in Study Abroad II; French Songs**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269F **Special Topics in Study Abroad II; French Conversation I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN269G **Special Topics in Study Abroad II; French Conversation**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN301 **Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Grammatical analysis, elements of style; range of written genres.

WB10	Catherine Favier-Kelly **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB21	Cecile Ruel **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

FREN311 **Advanced Oral Expression**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN250; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Linguistic and thematic analysis of written, audio, and visual texts. Focus on aural and oral skills. Some written assignments and evaluation.

Contact department for information to register for this course.

FREN312 **France Today**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a native/fluent speaker of French.

Analysis and discussion of current events and institutions using variou French media resources.

Contact department for information to register for this course.

FREN369F **Special Topics in Study Abroad III; Third-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369G **Special Topics in Study Abroad III; Third-Year French II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369I **Special Topics in Study Abroad III; Third-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN369Y **Special Topics in Study Abroad III; Fourth-Year French I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

FREN399X **Directed Study in French; French Language and Culture on the Mediterranean**

Credits: 3 Grading Method: Regular

Advanced undergraduates develop syllabus, reading list, and course requirements with interested faculty member. Designed for in-depth study of material not offered in regular courses or as expansion of course material. To be planned during semester preceding registration.

Contact department for information to register for this course.

FREN401 **Writing with Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FREN301; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Advanced composition and stylistic analysis.

Contact department for information to register for this course.

GEOG Geographical Sciences Summer 2015

GEOG110 **The World Today: Global Perspectives**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

WB21	Vanessa Kirn	Seats (Total: 35)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: PS General Education: DSNS, SCIS

Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Keith Yearwood **Meets June 1, 2015 - July 12, 2015** MW 1:00pm - 4:30pm	Seats (Total: 25) LEF 1220
0201	Quentin Stubbs **Meets July 13, 2015 - August 23, 2015** MW 1:00pm - 4:30pm	Seats (Total: 20) LEF 1220

GEOG158G **Special Topics in Study Abroad I; The Geography of Grenada**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG202 **Introduction to Human Geography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DVCC

Introduction to what geographers do and how they do it. Systematic stud of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

WB11	Vanessa Kirn **Meets June 1, 2015 - July 10, 2015** Class time/details on ELMs	Seats (Total: 55) ONLINE
WB21	Jennifer Hinojosa **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 40) ONLINE

GEOG212 **Introduction to Human Geography Laboratory**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in GEOG202. Restriction: Must be in Geography program.

Introduction to the basic methods and techniques employed in human geography.

0201	Rachel Berndtson	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	M 10:00am - 1:00pm	LEF 2205	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

This course has a $40 lab fee.

WB11	Nathan Burtch	Seats (Total: 40)	
	Meets June 1, 2015 - July 12, 2015		
	MW 6:00pm - 9:45pm	ONLINE	
WB21	Varada Shevade	Seats (Total: 40)	
	Meets July 13, 2015 - August 23, 2015		
	MW 6:00pm - 9:45pm	ONLINE	

GEOG312 **The United States and Canada**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: GEOG312 or GEOG320. Formerly: GEOG320.

The two countries as functioning geographic systems with important differences and key linkages. An examination of the cultural, environmental, and economic components and their spatial variation. Attention to the role of regions in national economies.

0101	Allen Eney	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	MW 9:00am - 12:30pm	LEF 1221	

GEOG328M **Topics in Regional Geography; Geography of the Southern Caribbean**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG328P **Topics in Regional Geography; The Geography of Puerto Rico**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHS, DVUP, SCIS

Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.

Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

WB41	Rachel Berndtson **Meets July 13, 2015 - July 31, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB51	Rachel Berndtson **Meets June 22, 2015 - July 10, 2015** Class time/details on ELMs	Seats (Total: 75) ONLINE

GEOG340 **Geomorphology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Survey of landform types and role of processes in their generation. Frequency of occurrence and implications for land utilization. Emphasis on coastal, fluvial, and glacial landforms in different environmental settings. Landform regions of Maryland.

0101	Keith Yearwood	Seats (Total: 20)
	Meets June 1, 2015 - July 10, 2015	
	TuTh 1:00pm - 4:30pm	LEF 1171

GEOG358A **Special Topics in Study Abroad III; Croatia: At the Doorsteps of the European Union- Leaving Behind the Memories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358B **Special Topics in Study Abroad III; Investigating the Geographical Impacts of Urbanization in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358C **Special Topics in Study Abroad III; China: Summer Honors Research Program**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG358D **Special Topics in Study Abroad III; Croatia: From War and Communism to the EU Membership**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GEOG372 **Remote Sensing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

This course has a $40 lab fee.

0101	Dongdong Wang	Seats (Total: 25)	
	Meets June 1, 2015 - July 12, 2015		
	MW 2:30pm - 4:00pm	LEF 1171	
	MW 4:00pm - 6:00pm	LEF 1138	Lab
0201	Michael Humber	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	MW 2:30pm - 4:00pm	LEF 1171	
	MW 4:00pm - 6:00pm	LEF 1138	Lab

GEOG373 **Geographic Information Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

There is a $40 lab fee for this course.

0201	Naijun Zhou	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	MW 10:30am - 12:00pm	LEF 1124	
	MW 12:00pm - 2:00pm	LEF 1138	Lab
WB11	Naijun Zhou	Seats (Total: 40)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 6:00pm - 9:30pm	ONLINE	
WB21	Zan Dodson	Seats (Total: 50)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 6:00pm - 9:30pm	ONLINE	

GEOG376 **Introduction to Computer Programming for GIS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH220, MATH130, or MATH140. And GEOG373; or permission of BSOS-Geography department.

Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

Students must pay a $40.00 laboratory materials fee.

0201	Ruibo Han	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 10:30am - 12:00pm	LEF 2166	
	TuTh 12:00pm - 2:00pm	LEF 1136	Lab

GEOG384 **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Contact department for information to register for this course.

GEOG384H **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Contact department for information to register for this course.

GEOG385H **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	
0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

GEOG398 **Special Topics in Geography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

0110	Ronald Luna **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0210	Ronald Luna **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0220	Giovanni Baiocchi **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

GEOG398H **Special Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

An introductory course dealing with special topics in geography.

Prerequisite: permission of department.

0101	Rachel Berndtson **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)
0201	Rachel Berndtson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

GEOG473 **Geographic Information Systems and Spatial Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482.

Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies.

This course has a $40 lab fee.

0101	Naijun Zhou	Seats (Total: 25)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 10:30am - 11:50am	LEF 1124	
	TuTh 12:00pm - 2:00pm	LEF 1138	Lab

GEOG475 **Computer Cartography**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG373 and GEOG306. Credit only granted for: GEOG471 or GEOG475. Formerly: GEOG471.

Advanced skills of computer mapping using more sophisticated software packages. Map projection evaluation and selection, coordinate system conversion, techniques of quantitative thematic mapping, map design and generalization, hypermedia and animated cartography. Emphasis on designing and making cartographically sound sophisticated thematic maps.

Students must pay $40 laboratory fee.

0201	Naijun Zhou	Seats (Total: 25)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 10:30am - 11:50am	LEF 1124	
	TuTh 12:00pm - 2:00pm	LEF 1138	

GEOG498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG498H **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Prerequisite: permission of department.

0101	Rachel Berndtson	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0201	Rachel Berndtson	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

GEOG506 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3 Grading Method: Regular

Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

Additionally, special advanced students are eligible to register without department permission.

GI01	Anika Cartas	Seats (Total: 20)
	Meets June 1, 2015 - August 7, 2015	
	Class time/details on ELMs	ONLINE

GEOG579 **Introduction to Remote Sensing and GIS; Introduction to GIS**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Kristofer Lasko	Seats (Total: 20)
	Meets June 1, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE

GEOG579B **Introduction to Remote Sensing and GIS; Introduction to Remote Sensing**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Huiran Jin	Seats (Total: 25)	
	Meets July 13, 2015 - August 21, 2015		
	Class time/details on ELMs	ONLINE	

GEOG579C **Introduction to Remote Sensing and GIS; Introduction to Computer Programming**

Credits: 2 Grading Method: Regular

Introduction to remote sensing and geographic information systems. Topics include methods of obtaining quantitative information from remotely sensed images, interpretation of remotely sensed images for spatial and environmental relationships, characteristics and organization of geographic data, including spatial data models for thematic mapping and map analysis and use of GIS in society, government, and business. Practical experience with remote sensing software and GIS.

Additionally, special advanced students are eligible to register without department permission.

GI01	Jonathan Resop	Seats (Total: 25)	
	Meets June 1, 2015 - July 12, 2015		
	M 5:30pm - 8:00pm	LEF 1171	
	Tu 5:30pm - 8:00pm	LEF 1171	Lab

GEOG603 **Masters Research Tutorial**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: GEOG600. Restriction: Permission of BSOS-Geography department. Credit only granted for: GEOG603 or GEOG610. Formerly: GEOG610.

Development of Masters scholarly paper topic, critical literature review, formulation of geographical approach to research methodology. Individual meetings with faculty. Comprehensive exam before the end of the semester.

Contact department for information to register for this course.

GEOG651 **Spatial Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG615; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

This course is about quantitative analysis of spatial data. It is intended to provide a broad survey of various methods of exploratory statistical data analysis most useful in environmental and social sciences. The course is a mix of theory, methods, and applications geared towards helping students: (1) develop an understanding of the important theoretical concepts in spatial data analysis; and (2) gain practical experience in application of spatial statistics to a variety of social and environmental problems using advanced statistical software.

Contact department for information to register for this course.

GEOG656 **Programming and Scripting for GIS**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

An introduction to programming and scripting for intermediate GIS users. The fundamental concepts of computer programming will be introduced within the Geoprocessing framework in ArcGIS primarily using Python. Basic concepts of object-oriented programming and scripting will be presented. Students will develop skills in programming techniques to explore, manipulate and model spatial data using the Geoprocessor methods.

Contact department for information to register for this course.

GEOG788 **Selected Topics in Geography**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Readings and discussion on selected topics in the field of geography.

Contact department for information to register for this course.

GEOG789 **Independent Readings**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Independent reading as arranged between a graduate faculty member and graduate student.

Contact department to make arrangements.

Contact department for information to register for this course.

GEOG790 **Internship in Geography**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Field experience in the student's specialty in a Federal, state, or local agency or private business. Research paper required.

Contact department to make arrangements.

Contact department for information to register for this course.

GEOG795 **Professional Practices Seminar**

Credits: 1

Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program.

Development and preparation of a resume, selecting and helping referenc writers, conducting successful interviews, negotiating an employment package, giving professional presentations, proposal prepartion, writing reports, codes of ethics and responsibilities. Presentations from practitioners in GIS field. Basic project management skills and strategies in preparation for professional project.

Contact department for information to register for this course.

GEOG796 **GIS Project Management**

Credits: 3

Grading Method: Regular

Prerequisite: GEOG653, GEOG652, and GEOG606. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program. Credit only granted for: GEOG796 or INFM706. Formerly: INFM706.

Project management methodology is covered, emphasizing implementing and integrating GIS into broader projects. Topics include project initiation, planning, scope, scheduling, budgeting and risk management.

Contact department for information to register for this course.

GEOG799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Contact department for information to register for this course.

GEOG898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

GERM Germanic Studies Summer 2015

GERM103 Intensive Elementary German

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM102; and must not be a fluent/native speaker of German. Credit only granted for: GERM102 or GERM103.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0101	Regina Ianozi	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 9:30am - 11:45am	EDU 1107

GERM203 Intensive Intermediate German

Credits: 4 Grading Method: Regular CORE: HO

Prerequisite: GERM103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed GERM201; and must not have completed GERM202; and must not be a fluent/native speaker of German. Credit only granted for: GERM202 or GERM203.

Covers speaking, reading, writing, listening, and culture of German-speaking world.

0201	Eileen Sellman	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 9:30am - 11:45am	KNI 1103

GERM269A Special Topics in Study Abroad II; Elementary German I

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM269B Special Topics in Study Abroad II; Elementary German II

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM301 **Conversation and Composition I: Germany and Its People**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM204; or students who have taken courses with comparable content may contact the department.

Practice in contemporary spoken and written German. Systematic review of grammar, and exercises in composition. Emphasis on cultural contrasts.

Contact department for information to register for this course.

GERM302 **Conversation and Composition II: Current Topics in German Society**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GERM301; or students who have taken courses with comparable content may contact the department.

Further practice in contemporary spoken and written German. Contemporary social, political, and cultural themes.

Contact department for information to register for this course.

GERM369C **Special Topics in Study Abroad III; German Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM369D **Special Topics in Study Abroad III; German Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

GERM399V **Selected Topics in Germanic Studies; Contemporary German Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

This online course looks at modern German music from WWII to the present. By analyzing both lyrics and musical styles, the course focuses on exploring the interconnectedness between music and societal events and developments. Furthermore, comparisons between the music scenes in Germany and the US are drawn to further promote a better understanding of modern German life. Taught in English.

WB21	Petra Volkhausen	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GVPT Government and Politics Summer 2015

GVPT100 **Scope and Methods for Political Science Research**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSSP

An introduction to empirical research in political science.

WB11	Michael Parrott	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

GVPT170 **American Government**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

A comprehensive study of national government in the United States.

WB21	Candace Turitto	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GVPT200 **International Political Relations**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP

Prerequisite: GVPT100.

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

WB11	Hyo Chang **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 50) ONLINE
YS41	Ping-Kuei Chen **Meets July 13, 2015 - July 31, 2015** MTuWThF 10:00am - 1:00pm *This section is part of the Young Scholars Program. Enrollment by permission only.*	Seats (Total: 30) TYD 2102

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Restriction: Must be in Government & Politics program.

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

WB21	Jason Stonerook **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 50) ONLINE

GVPT258B **Introduction to Political Science Topics in Study Abroad; Enemy Within: Spies and Espionage in the Cold War**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT258C **Introduction to Political Science Topics in Study Abroad; Government and Politics in China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science taken as part of an approve study abroad program.

Contact department for information to register for this course.

GVPT280 **Comparative Politics and Governments**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT100.

An introduction to the comparative study of politics and governance, including the analytical concepts for studies of politics and a survey of the major types of regimes, including democratic and authoritarian/communist regimes.

WB21	Stephen Arves	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GVPT282 **Politics and the Developing World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

A study of the domestic governmental institutions; processes and problems such as conflict and economic development; and the socio-economic environments that are common to developing countries of Africa, the Middle East, Asia, and Latin America.

Why are some countries so rich while others are so poor? What can we do about it? This introductory course on the politics of development seeks to explain the divergence we see in the economic performance and welfare of contemporary states. In this course we will see how democratization, conflict, ethnicity, corruption, globalization, natural resources, and foreign aid impact states development. We will also learn about the various challenges countries face when developing, such as: balancing freedoms with economic growth, addressing geographic constraints, and maintaining stability in the shadow of social and political tensions. There will be a focus on measuring social scientific concepts, testing development theories, and proposing solutions. Throughout the course students will discuss the following questions: What do we know? How can we test that? Where do we go from here?

0601	Anne Fruge	Seats (Total: 15)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 1:20pm	TYD 1108
	To register for this course after July17, 2015, e-mail summer@umd.edu.	
FF61	Anne Fruge	Seats (Total: 15)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 1:20pm	TYD 1108
	Restricted to students in Freshman First. For Program information click here .	

GVPT306 **Global Environmental Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

WB21	Carla Abdo	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GVPT309J **Topics in International Relations; Territorial Conflict, Natural Resources, and Ungoverned Spaces**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

National boudaries are at times dynamic and contested, while also leaving large portions of the earth ungoverned. This course explores the effects of national boundaries on international conflict, competition for natural resources, crime, and global governance. Major theories and findings in the study of territorial conflict are reviewed, and key case studies of ungoverned and contested space are investigated. After completing this course, students should have a deeper understanding of the state, state sovereignty, territorial disputes, and solutions for problems in international relations.

WB11	Kimberly Wilson	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

GVPT309M **Topics in International Relations; Egypt and Israel**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309N **Topics in International Relations; Scandinavia: Political Conflict: Past, Present and Future**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT331 **Law and Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT170.

A study of the basis of law and its relationship with various contemporary institutions such as the courts, the legal profession, and society at large.

WB11	Felipe Westhelle	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

GVPT358A **Study Abroad Seminar in Political Science; Migration and Multiculturalism in Europe**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT358M **Study Abroad Seminar in Political Science; Conflict and Peace in the Mediterranean**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT359B **Topics in Comparative Politics; Why Fight? Causes, Conduct, and Termination of Civil Wars**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The study of topics in comparative politics.

The principle goal in this course is to build a bridge between the academic literature on civil wars in political science and its application to current conflicts around the world. To accomplish this students will read research articles as well as op-eds/blog posts from the authors applying their work. Class discussion will focus on relating these two works - discussing how academic theory and research is applied to contemporary conflicts and peace processes (e.g., in ongoing conflicts in Syria, Iraq, Sudan, and Colombia). The first part of the class focuses on onset of civil war, the second part focuses on factors that influence the duration of conflict, the conduct of combatants during civil war as wellas external factors, while the final section explores the termination of civil wars, the causes of conflict recurrence, and the role of peacekeeping operations in conflict zones.

WB11	Deniz Cil	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

GVPT359N **Topics in Comparative Politics; Nationalism and Ethnic Conflict**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in comparative politics.

This course examines the relationship between nationalism, ethnicity and conflict. This class will address all this relationship in three main segments: the first examines the definitions and origins of ethnicity and nationalism; the second examines the occurence of ethnic violence, war, and genocide, exploring several competing explanations for its prevalence; the final segment examines various strategies for the resolution and prevention of ethnic and nationalist conflict and the problems with each strategy. Through these topic areas we will discuss several perspectives useful for the study of nationalism, ethnicity, and conflict. This is meant to help you create your own criteria for evaluating ethno-nationalist movements and violence.

WB21	Allison Patch	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

GVPT386 **Experiential Learning**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Government & Politics department; and junior standing or higher.

Contact department for information to register for this course.

GVPT388 **Topical Investigations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Contact department for information to register for this course.

GVPT388A **Topical Investigations; Film and the Study of Politics of Terror in the Family and the State**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Student may sign up for both GVPT399A and GVPT388A; GVPT399A will meet four days a week for the first three weeks. GVPT388A will be an online course for the second three weeks of the first summer session, which follows themes developed in GVPT399A. Students who do NOT enroll for GVPT 399A, who will not at all be in residence during the summer, may take GVPT388A as an online course from May 31-July 8.

WB11	James Glass	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

GVPT388P **Topical Investigations; Maryland Internship Program**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Must have departmental permission to register; to apply, visit CAPC. This competitive program places highly qualified undergraduate students in internships in Maryland state and local government. Internship placements could include the offices of the Governor and Lieutenant Governor, members of the General Assembly, state and local agencies, and courts. Participants attend a seminar in addition to their internship duties.

0201	James Glenn	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 6:00pm - 9:20pm	TYD 1108

GVPT389 **Experiential Learning II**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Experiential credit for working in government & politics related internships, research, and teaching opportunities.

Contact department for information to register for this course.

GVPT399B **Seminar in Government and Politics; Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT399Q **Seminar in Government and Politics; Security and Defense Policy in the European Union**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Contact department for information to register for this course.

GVPT808D **Selected Topics in Functional Problems in International Relations; Multi-Track Diplomacy: Transforming Violent Conflict**

Credits: 3

Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

Additional workshop times - Friday, July 10th 6-9:00p.m.; Saturday, July 11th and Sunday, July 12th from 9:00 a.m.- 1:00 p.m. and 2:00 - 6:00p.m. This course aims to develop the concepts and professional skills needed to facilitate the transformation of societal conflict. Join us in an experiment during the weekend workshop using multi-track diplomacy to search for common ground in ongoing conflict in the Middle East. The planned simulation will be facilitated by Prof. John Davies who has over 30 years experience in using multi-track diplomacy in many countries suffering from war, terrorism, and instability around the world. No pre-requisites.

0501	John Davies	Seats (Total: 30)
	Meets June 22, 2015 - July 12, 2015	
	TuTh 6:00pm - 9:20pm	TYD 1101
	Students who wish to register for this section after June 5, 2015, please e-mail summer@umd.edu .	

GVPT849 **Readings in Government and Politics**

Credits: 3

Grading Method: Regular, Audit

Guided readings and discussions on selected topics in political science

Contact department for information to register for this course.

GVPT898 **Pre-Candidacy Research; Pre-Candidacy Research**

Credits: 1-3

Grading Method: Regular, Sat-Fail

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

GVPT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HACS ACES-Cybersecurity Summer 2015

HACS208F **Seminar in Cybersecurity; A Global Perspective on Cybersecurity: France**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSNS, DVCC, SCIS

Explores various lenses of cybersecurity in order to promote an interdisciplinary understanding of the field. Although each section may focus on a different topic, each integrates active student engagement, communication, critical communication, critical thinking, and teamwork.

Contact department for information to register for this course.

HACS279 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 1-3 Grading Method: Regular

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

0101	Michel Cukier **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Michel Cukier **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HACS287 **Undergraduate Research in Cybersecurity**

(Perm req)

Credits: 3 Grading Method: Regular General Education: DSSP

Restriction: Must be in the UGST-HCOL-ACES Cybersecurity Program.

The Advanced Cybersecurity Experience for Students (ACES) program encourages its students to engage in research in order to gain greater insight into a specific area within cybersecurity, obtain an appreciation for the subtleties and difficulties associated with the production of knowledge and fundamental new applications, and to prepare for graduate school and the workforce.

0101	Michel Cukier **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Dana Dachman-Soled **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0301	Tudor Dumitras **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HESI Higher Ed, Student Affairs, and International Ed Policy — Summer 2015

HESI217 **Introduction to Student Leadership**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Freshman standing; or sophomore standing. Credit only granted for: HESI217 or EDCP217. Formerly: EDCP217.

Introduction to leadership theories, concepts, and skills. Completion of personal and leadership self-assessments, values exploration, and small group application.

Students must pay a $32 materials fee.

0401	Tyler McClenithan **Meets July 13, 2015 - July 30, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 25) TYD 2110
0501	Tyler McClenithan **Meets June 22, 2015 - July 10, 2015** MTuWTh 9:00am - 12:15pm	Seats (Total: 21) TYD 2110

HESI318A **Applied Contextual Leadership; Leadership and Film**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This online course asks students to think about leadership in a new way by finding leadership lessons from film. Students will watch a number offilms (including some documentaries) and connect each of the films to leadership readings and personal experience.

WB11	Stephanie Chang	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE
WB21	Stephanie Chang	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

HESI318C **Applied Contextual Leadership; The Principles of Personal Excellence (Personal Leadership)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This course introduces students to a holistic framework for the development of personal effectiveness and peak performance. Students will review principles, processes, and practices used by peak performers in many life disciplines.

WB41	Bruce Jackson	Seats (Total: 15)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

HESI318W **Applied Contextual Leadership; Leadership and the Workplace**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This on-line course will use a variety of readings and discussion pieces to have students critically examine concepts of leadership in the world of work. Students must be employed or intern (full-time or part-time) during the Summer 2015 semester and must have a workplace that they visit on a regular basis, as they will be asked to connect course concepts to actual workplace experiences and will bring in workplace documents to the discussion. Internships may count toward this requirement.

WB11	Melissa Rocco	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

WB21	Melissa Rocco	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

HESP Hearing and Speech Sciences Summer 2015

HESP120 **Introduction to Linguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Additional information: HESP120 is required for HESP majors. HESP majors may not substitute LING200.

An introduction to the scientific study of natural language with focus on the basic concepts of phonology, syntax, semantics and pragmatics, with subsequent attention to the applied aspects of linguistic principles.

0101	Alia Lancaster	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 1:00pm - 4:20pm	WDS 1131

HESP202 **Introduction to Hearing and Speech Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

An introduction to communication sciences and disorders; a survey of th bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

WB11	Ilina Stojanovska, Brittany Jaekel	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

HESP300 **Introduction to Psycholinguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department. Recommended: HESP120.

An introduction to current theories of language and an investigation of their relationship to human communication behavior. Survey of the experimental literature relating to this question.

0101	Ekaterina Solovyeva	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 9:00am - 12:15pm	JMZ 2123

HESP311 **Anatomy, Pathology and Physiology of the Auditory System**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Gross anatomy of the ear and pathways for transmission of sound energy through the peripheral and central auditory system. Causes, development and effects of pathological conditions contributing to temporary or chronic hearing impairments.

0101	Julie Cohen, Hannah Willison	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MW 1:00pm - 4:15pm	LEF 0135

HESP386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

Contact department for information to register for this course.

HESP388 **Undergraduate Research Externship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and regional universities. Contact department chairman for openings and descriptions of eligible placements.

Contact department for information to register for this course.

HESP389 **LEAP Classroom Internship**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Participation in a language-based, literacy-rich preschool classroom fo children with speech-language disorders. Students will learn behavior management techniques, curriculum planning and implementation, facilitation of play among children, data collection and teaching srategies.

Contact department for information to register for this course.

HESP400 **Speech and Language Development in Children**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP300; or permission of BSOS-Hearing & Speech Sciences department. Recommended: LING200 or HESP120. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

Analysis of the normal processes of speech and language development in children.

0201	Kathryn Dow-Burger	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 9:00am - 12:15pm	SKN 1115

HESP411 **Introduction to Audiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in HESP311; or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

An introduction to the field of audiology. Evaluation and remediation of hearing handicaps.

0201	Claire Buxton	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	TuTh 1:00pm - 4:15pm	SKN 1112

HESP417 **Principles and Methods in Speech-Language Pathology and Audiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HESP400 and HESP411; and 1 course with a minimum grade of C- from (HESP402, HESP404, HESP406, HESP410). Or permission of BSOS-Hearing & Speech Sciences department. Restriction: Must be in Hearing and Speech Sciences program; or permission of BSOS-Hearing & Speech Sciences department.

The principles underlying the treatment of speech, language and hearing disorders in children and adults.

0201	Lisa Rickard, Eusabia Mont	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MTuWTh 9:30am - 11:15am	LEF 0135

HESP498B **Seminar; Augmentative and Alternative Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics in human communication and its disorders.

An online course designed to provide an introduction to the principles, methods, and procedures for categorizing, understanding, and devloping augmentative and alternative communication (AAC) systems for persons with complex communication needs.

WB41	Tonya Williams Walker	Seats (Total: 10)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

HESP499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP625 **Dysphagia**

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639B or HESP625.

Nature and clinical management of dysphagia as it pertains to different clinical settings for adult and pediatric populations.

0101	Alicia Vose	Seats (Total: 30)
	Meets June 1, 2015 - July 10, 2015	
	TuTh 5:00pm - 8:30pm	LEF 0135

HESP627 **Augmentative and Alternative Communication**

Credits: 3 Grading Method: Regular

Restriction: Permission of BSOS-Hearing & Speech Sciences department. Credit only granted for: HESP639R or HESP627.

Principles, methods, and procedures for categorizing, understanding, an developing augmentative and alternative communication.

An online course designed to provide an introduction to the principles, methods, and procedures for categorizing, understanding, and devloping augmentative and alternative communication (AAC) systems for persons with complex communication needs. All other course work is web online.

WB41	Tonya Williams Walker	Seats (Total: 10)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

HESP634 **Anatomy and Physiology of the Auditory and Vestibular Systems**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed or be concurrently enrolled in HESP311, HESP407, and HESP411; or permission of instructor. Additional information: Fills a requirement for the Doctoral Program in Clinical Audiology (CAUD). Open to students in other graduate programs, especially NACS.

Comprehensive examination of the anatomy and physiology of the peripheral as well as the central auditory and vestibular systems. Both afferent and efferent pathways will be considered. Applications of basic auditory neuroscience to contemporary clinical audiology practice will be highlighted.

0201	Matthew Goupell	Seats (Total: 15)
	Meets July 20, 2015 - August 7, 2015	
	MTuWThF 3:30pm - 6:00pm	TLF 1103

HESP635 **Aural Rehabilitation/Habilitation**

Credits: 3 Grading Method: Regular, Audit

Principles, methods and procedures for aural rehabilitation/habilitation in children and adults.

0101	Paula Schauer	Seats (Total: 27)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 3:15pm - 6:30pm	LEF 1220
	Recommended for Au.D. students.	

0401	Maureen Shader **Meets July 13, 2015 - July 31, 2015** MTuWThF 1:00pm - 3:30pm *For Speech Path. M.A. students.*	Seats (Total: 40) LEF 0135

HESP638 **Research Practicum; Minor Research Problems**

Credits: 1-3 Grading Method: Regular, Audit

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP648B **Clinical Practice in Speech**

Credits: 1-2 Grading Method: Regular, Audit

Supervised training in the application of clinical methods in the diagnosis and treatment of speech disorders.

0101	Vivian Sisskin **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0103	Eusabia Mont **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0104	Kristin Slawson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0105	Rebecca Lower **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0107	Kathryn Dow-Burger **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

HESP649A **Clinical Practice in Audiology**

Credits: 1-2 Grading Method: Regular, Audit

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

0101	Sharon Palmer **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

HESP649B **Clinical Practice in Audiology; Aural Rehabilitation**

(Perm req)

Credits: 1-2 Grading Method: Regular

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

Contact department for information to register for this course.

HESP708 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP729 **Advanced Clinical Practice in Audiology**

Credits: 1-8 Grading Method: Regular, Audit

Clinical internship in selected off-campus facilities.

0101	Margaret McCabe **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Margaret McCabe **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

HESP788 **Graduate Research Externship**

Credits: 1-3 Grading Method: Regular, Audit

Off-campus research internship with departmental affiliates at National Institutes of Health and other regional universities. Contact department chairman for available placements, requirements and openings.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HESP829 **Clinical Internship Residency**

Credits: 1-9 Grading Method: Regular, Audit

Off-Campus, full-time (30-40 hours/week) clinical externship in Audiology at regional and national institutions.

I101	Margaret McCabe **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
I201	Margaret McCabe **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

HESP859 **Capstone Research Project II**

Credits: 2 Grading Method: Regular

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Pre- or Corequisite: HESP849.

0112	Sandra Gordon-Salant **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0118	Matthew Goupell **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0122	Samira Anderson	Seats (Total: 10)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	

HESP889 **Doctoral Candidacy Research**

Credits: 1-3 Grading Method: Regular

Doctoral candidacy paper research

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HESP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

HISP Historic Preservation Summer 2015

HISP319A **Special Topics in Historic Preservation; George Washington's Mount Vernon Field School**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Students will explore technical aspects of preservation taught by practitioners whose expertise are of special benefit to undergraduate students.

I101	Donald Linebaugh, Luke Pecoraro, Eleanor Breen, Esther White, Thomas Reinhart	Seats (Total: 7)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
	Enrollment limited to students who are accepted into the field school.	

HISP619A **Special Topics in Historic Preservation; George Washington's Mount Vernon Field School**

Credits: 6 Grading Method: Regular, Audit

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

I101	Donald Linebaugh, Luke Pecoraro, Eleanor Breen, Esther White, Thomas Reinhart **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details. *Enrollment limited to students who are accepted into the field school.*	Seats (Total: 7)

HISP619Y **Special Topics in Historic Preservation; Understanding Place: Cultural Landscapes of Yorkshire: United Kingdom**

Credits: 3 Grading Method: Regular, Audit

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

SAUK	Dennis Pogue **Meets May 26, 2015 - June 13, 2015** Contact instructor or department for details.	Seats (Total: 0)

HISP629 **Independent Studies in Historic Preservation**

Credits: 3 Grading Method: Regular, Audit

Individual Instruction course.

Contact department for information to register for this course.

HISP645 **Archaeology and Preservation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Credit only granted for: HISP619A or HISP645. Formerly: HISP619A.

An introduction to issues related to archaeological resources and preservation. Topics will include method and theory in American archaeology, archaeology in support of architectural history, archaeology and the NHPA, archaeological site preservation and conservation, and curation and collections management. Students will have a chance to work at an archaeological site to experience field excavation techniques and challenges, and will visit other archaeological sites and curation facilities in the area.

0201	Donald Linebaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HISP660 **Internship in Historic Preservation**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program. Formerly: HISP619.

Students will secure a summer internship with an organization engaged in historic preservation work (this can be a public agency, nonprofit, or private firm). The students will formulate a plan of work and a series of pedagogical goals to satisfy both the practical needs of the project and the academic requirements for the course.

I101	Donald Linebaugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
I201	Donald Linebaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

HISP701 **Certificate Portfolio Project**

Credits: 1 Grading Method: Regular, Audit

Prerequisite: Permission of ARCH-Historic Preservation Program.

Students will gather samples of their work and craft a synthetic statement on their experiences in their HISP certificate courses (for example, picking up on themes such as community involvement, diversity of practice, affordable housing, or sustainability), and the ways in which they have integrated historic preservation into their thinking and practice in their home discipline.

0101	Donald Linebaugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HISP710 **Final Project in Historic Preservation I**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP710. Formerly: HISP700.

An independent, applied research project investigating the preservation of a particular site or a specialized issue in historic preservation. This is part one of a two-semester sequence and involves developing the project proposal and bibliography.

0101	Donald Linebaugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HISP711 **Final Project in Historic Preservation II**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: HISP700 or HISP711. Formerly: HISP700.

An independent, applied research project invesitgating the preservation of a particular site or a specialized issue in historic preservation. This is part two of a two semester sequence and involves project research and writing.

0101	Donald Linebaugh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Donald Linebaugh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

HIST History Summer 2015

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, SCIS

Credit only granted for: HIST289E or HIST137. Formerly: HIST289E.

Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

WB31	Richard Bell **Meets June 1, 2015 - June 19, 2015** Class time/details on ELMs	Seats (Total: 40) ONLINE

HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

0201	Rachel Walker **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:00am - 10:20am	Seats (Total: 25) KEY 0103
XA21	Rachel Walker **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:00am - 10:20am	Seats (Total: 0) KEY 0103

HIST201 **Interpreting American History: From 1865 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU, DVUP

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

0201	Robert Chiles **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) KEY 0103
XA21	Robert Chiles **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 0) KEY 0103

HIST269A **Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269B **Special Topics in Study Abroad II; People and Cultures of Africa**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269C **Special Topics in Study Abroad II; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269F **Special Topics in Study Abroad II; Sailors, Soldiers, Slaves: London**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269R **Special Topics in Study Abroad II; Latin American Social Revolutions**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST269T **Special Topics in Study Abroad II; London: Cultural Capital**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVUP

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST299 **Directed Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Closely guided research in primary sources for students currently enrolled in selected 100- or 200-level surveys in the Department of History.

Contact department for information to register for this course.

HIST306 **History of Religion in America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST200, HIST201, HIST210, HIST211, HIST213, HIST254, or HIST255; or must have completed HIST156 or HIST157; or permission of instructor. Also offered as: RELS346. Credit only granted for: HIST306 or RELS346.

A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

WB31	Miles Bradbury	Seats (Total: 40)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

HIST319B **Special Topics in History; Arab Cold War**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The effect of cold war politics on the Middle East and North Africa will be explored. Particular attention will be paid to the political, social, and economic impacts of the hegemonic clash between the United States and the Soviet Union in this proxy battlefield.

0501	Harrison Guthorn	Seats (Total: 30)
	Meets June 22, 2015 - July 10, 2015	
	MTuWTh 6:00pm - 9:30pm	Location: TBA

HIST319M **Special Topics in History; Cultural History of Latin America: Music, Movies, and Revolution**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

WB21	Daniel Richter	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

HIST327 **The Roman Empire**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Roman history from Augustus to Heraclius, 44BC-641AD: The Imperial cour and government; the diversity of culture in provinces and cities and the progress of Romanization; Roman religion and its transformation in late antiquity; the Roman army and defense of the frontiers.

WB11	William Burghart	Seats (Total: 40)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

HIST329K **Special Topics in History; History of Rock 'n Roll, 1950-2000**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

This inter-disciplinary course will trace the development of American rock 'n' roll and popular music in the second half of the 20th century. Popular music will be studied both in terms of what it sounds like, and in terms of what it meant to the societies in which it was made and consumed. Special attention will be paid to the role of African-American cultural influences, as well as contributions made by European (mainly British) performers over the years.

WB41	Andrew Kellett	Seats (Total: 60)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

HIST330 **Europe in the Making: The Early Medieval West (A.D. 300-1000)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: RELS340. Credit only granted for: HIST330 or RELS340.

From one empire to another: Rome to Charlemagne. This period is approached as a crucible in which classical, Christian, and Germanic elements merged, yielding new experimental syntheses. This course will deal with issues of authority, cultural trends, and the formation of group solidarity.

WB21	Janna Bianchini	Seats (Total: 40)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

HIST357 **Recent America: 1945-Present**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.

American history from the inauguration of Harry S. Truman to the presen with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

WB51	Edwin Smead	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 5, 2015, please e-mail summer@umd.edu .	

HIST360 **Women and the Civil Rights Movement**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Twentieth-century U.S. civil rights movement from the vantage point of women, considering both women's involvement in the legal campaigns and political protests and the impact of civil rights struggles on women's condition, status, and identity.

Also offered as AASP498I and WMST498M.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

HIST369B **Special Topics in Study Abroad III; Brazil, Rio Film History and Culture**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369G **Special Topics in Study Abroad III; Brazilian History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369M **Special Topics in Study Abroad III; History of Medieval Italy: The World of Dante**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST369T **Special Topics in Study Abroad III; The Archaeological Exploration of Tel Burna**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of ARHU-History department; and junior standing or higher.

The History Department's Internship program. Pre-professional experience in historical research, analysis, and writing in a variety of work settings.

Contact department for information to register for this course.

HIST469C **Study Abroad Special Topics IV; Spanish Culture Civilization and Literature III: Modern Times**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

HIST499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST619 **Special Topics in History**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HIST619A **Special Topics in History; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HIST708 **Directed Independent Reading for Comprehensive Examinations I**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST709 **Directed Independent Reading for Comprehensive Examinations II**

Credits: 1-4 Grading Method: Sat-Fail

Directed reading in preparation for Doctoral Comprehensive Examinations. In consultation with their advisors, students will select a number of books and articles from an approved list. Grading for the course will reflect performance on the written and oral sections of the Comprehensive Examinations.

Contact department for information to register for this course.

HIST799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

HIST819 **Special Topics in History: Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Individual graduate research in an area not covered by current seminar offerings. The product will be a finished research paper normally based on original materials.

Contact department for information to register for this course.

HIST899 **Doctoral Dissertation Research**

Credits: 1 Grading Method: Regular

Contact department for information to register for this course.

HLSA Health Services Administration Summer 2015

HLSA688 Independent Study

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

0103	Lori Simon-Rusinowitz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0210	Luisa Franzini **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
PLH1	Evelyn King-Marshall **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs *Instructor permission required, restricted to students in MPH-PHPP or GC-PPH programs.*	Seats (Total: 5) ONLINE

HLSA702 Policy and Politics of Health

Credits: 3 Grading Method: Regular, Audit

Organizational and financial components of the U.S. health care system, including social and political forces that bind the system. Advanced political analysis of the health care system, including key issues and problems.

PLH1	Lori Simon-Rusinowitz **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs *Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.*	Seats (Total: 30) ONLINE

HLSA775 Public Health Research

Credits: 3 Grading Method: Regular

Prerequisite: EPIB650. Restriction: Must be in a major in SPHL-School of Public Health; or permission of instructor.

Provides an interdisciplinary approach to gaining an understanding of and acquiring the skills to conduct public health research. This course covers policy and social issues, theory, and methods of evaluation and participatory research, from simple community based health programs to large-scale interventions. The course emphasizes experimental and quasi-experimental designs to estimate program impact as well as evaluation of program implementation. Case studies drawn from the public health field illustrate various types of evaluations and participatory research initiatives. Lectures, interactive discussions, group projects, individual projects and related assignments.

PLH1	Rada Dagher	Seats (Total: 30)
	Meets June 1, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.	

HLSA785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0101	Lori Simon-Rusinowitz	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0103	Karoline Mortensen	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0104	Jie Chen	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0204	Jie Chen	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

PLH1	Graciela Jaschek **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs *Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.*	Seats (Total: 20) ONLINE

HLSA786 **Capstone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0103	Lori Simon-Rusinowitz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0105	Jie Chen **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0106	Karoline Mortensen **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0107	Rada Dagher **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0203	Lori Simon-Rusinowitz **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0205	Jie Chen **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Karoline Mortensen **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0207	Rada Dagher	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	
PLH1	Graciela Jaschek	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in MPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.	

HLSA799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0106	Jie Chen	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0206	Jie Chen	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

HLSA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLSA899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH Health Summer 2015

HLTH106 **Drug Use and Abuse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

WB31	Tracy Zeeger	Seats (Total: 55)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

HLTH140 **Personal and Community Health**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

WB31	Sylvette La Touche-Howard	Seats (Total: 50)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

HLTH242 **Sex in the City: An Interdisciplinary Public Health Assessment**

Credits: 3

Grading Method: Regular, Audit

An examination of risky sexual behavior from an interdisciplinary public health perspective. How biological psychological, as well as sociological influences make individuals vulnerable to practicing risky sexual behavior and how public health systems and government policies attempt to identify and prevent the spread of disease.

Blended Learning courses combine face-to-face and online interactions.

HY21	Evelyn King-Marshall	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Tu 9:00am - 12:45pm	SPH 0303
	Class time/details on ELMs	ONLINE

HLTH289A **Topical Investigations; Western Europe: HIV/AIDS in Western Europe**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH377 **Human Sexuality**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

WB31	Robin Sawyer	Seats (Total: 139)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

HLTH389 **Topical Investigations**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH389I **Topical Investigations; An International Perspective of Violence: Comparing Italy, France and the U.S.: Italy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Independent study by an individual student or an experimental course in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

HLTH476 **Death Education**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

WB31	Jennifer Hodgson **Meets June 1, 2015 - June 19, 2015** Class time/details on ELMs	Seats (Total: 40) ONLINE

HLTH498T **Special Topics in Health; Medical Terminology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

"On-line course"

WB21	Katherine Sharp **Meets July 13, 2015 - August 21, 2015** Class time/details on ELMs	Seats (Total: 125) ONLINE

HLTH665 **Health Behavior I**

Credits: 3 Grading Method: Regular, Audit

The psychological, social psychological, and sociological theories of health behavior. The relation of health knowledge, beliefs, attitudes, intentions, and behavior to preventive, illness, sick-role, and health utilization behaviors.

0101	Sharon Desmond **Meets June 1, 2015 - July 10, 2015** TuTh 5:00pm - 8:45pm	Seats (Total: 25) SPH 0307
PLH2	Katherine Sharp **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs *Restricted to students in eMPH in Public Health Practice and Policy or Certificate in Principles of Public Health program.*	Seats (Total: 30) ONLINE

HLTH688 **Special Problems in Health Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

HLTH688I **Special Problems in Health Education; International Public Health_Germany**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

HLTH786 **Capstone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed all required coursework; and permission of SPHL-Behavioral & Community Health department. Restriction: Must be in a major within SPHL-Behavioral & Community Health department.

Capstone experience providing opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

HLTH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HLTH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HONR Honors Summer 2015

HONR238R **Honors Seminar: Terrorism**

Credits: 3 Grading Method: Regular CORE: SH General Education: DSHS

WB11	Edwin Smead	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

HONR249B **Honors Seminar; UK: Liberty, Slavery and the British Empire**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR258M **Honors Seminar; Exploring Confucius China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR258N **Honors Seminar; Exploring Confucius' China**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR268V **Honors Seminar; James Joyce's Dublin: Creative Writing with The Dubliners: Ireland**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR278T **Honors Seminar; London: Cultural Capital**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR298A **Honors Seminar; Croatia: At the Doorsteps of the European Union- Leaving Behind the Memories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HONR338A **Advanced Honors Seminar; Italy and Landscape Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Contact department for information to register for this course.

HONR338B **Advanced Honors Seminar; Salzburg Seminar: Global Media Literacy**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Contact department for information to register for this course.

HONR338D **Advanced Honors Seminar; Italy: Landscape Architecture, Architecture and Music**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Contact department for information to register for this course.

HONR338G **Advanced Honors Seminar; Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

SAAS	Susan Moeller	Seats (Total: 0)
	Meets July 19, 2015 - August 10, 2015	
	Contact instructor or department for details.	

HONR348Z **Advanced Honors Seminar; Cameroon: European Colonialism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught The subjects will vary from semester to semester.

Contact department for information to register for this course.

HONR349L **Honors Colloquium; Ireland: James Joyce's Dublin**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught. Subjects may vary.

Contact department for information to register for this course.

HONR349W **Honors Colloquium; Netherlands and Spain: International Engineering and Leaders**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A series of seminars, often interdisciplinary and sometimes team taught. Subjects may vary.

Contact department for information to register for this course.

IMMR Immigration Studies Summer 2015

IMMR319C **Special Topics in Immigration and Migration Studies; Violence, Prisons, and Immigration in the 21st Century U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Thematic exploration of a topic in immigration or migration studies with emphasis on understanding how the movement of people is relevant in the contemporary world.

Also offered as AMST328Z and USLT498O. Credit will be granted for AMST 328Z, IMMR319C or USLT498O.

WB21	Cristina Perez	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

INAG Institute of Applied Agriculture Summer 2015

INAG110 **Oral Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Anthony Pagnotti	Seats (Total: 19)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 9:30am - 12:20pm	PLS 1184

INAG299A **Supervised Work Experience; Internship I**

Credits: 1 Grading Method: Regular

Prerequisite: Advisor's approval.

I201	Justin Mathias **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)
I202	Meredith Epstein **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 25)
I203	Kenneth Ingram **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 15)

INAG299B **Supervised Work Experience; Internship II**

Credits: 1 Grading Method: Regular, Sat-Fail

Prerequisite: Advisor's approval. Pre-corequisite: INAG299A.

Contact department for information to register for this course.

INFM Information Management Summer 2015

INFM605 **Users and Use Context**

Credits: 3 Grading Method: Regular, Audit

Use of information by individuals. Nature of information. Information behavior and mental models. Characteristics of problems, task analysis, problem solving, and decision making. Methods for determining information behavior and user needs. Information access. Information technology as a tool in information use.

SG10	Vera Rhoads **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM719 **Independent Study**

Credits: 1-3 Grading Method: Regular

Intensive individual study under faculty supervision.

Contact department for information to register for this course.

INFM736 **Information Management Experience**

Credits: 3 Grading Method: Sat-Fail

Prerequisite: INFM600; and INFM612; and INFM605; and INFM603. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies.

Information issues within organizational frameworks. Integrated experiential learning opportunity.

SG10	Kathy Weaver **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE
WB10	Kathy Weaver **Meets June 1, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 25) ONLINE

INFM747 Web-Enabled Databases

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603, LBSC690, or LBSC671; and INST733. Or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INFM747 or INFM718N. Formerly: INFM718N.

Basic methods and tools for developing dynamic, database-driven web sites. Acquiring, installing, and running web servers, database servers, and connectability applications. Developing web interfaces and application-layer components.

SG10	Vedat Diker **Meets June 1, 2015 - August 21, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

INFM799 Master's Thesis Research

Credits: 1-6 Grading Method: Regular, Sat-Fail

0103	Brian Butler **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0111	Paul Jaeger **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0124	Jessica Vitak	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0211	Paul Jaeger	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

INST Information Studies Summer 2015

INST633 **Analyzing Social Networks and Social Media**

Credits: 3 Grading Method: Regular

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC708L or INST633. Formerly: LBSC708L.

Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students will develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others. Students will read classic and cutting edge articles and books about these topics and discuss their applicability to this new social media. The class will culminate with a capstone project in which students will apply the analysis methods they have learned to understanding a particular question about social networks and social media.

SG10	Jennifer Golbeck	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

INST640 **Principles of Digital Curation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Principles for the design and implementation of long-term curation of digital data and information assets, including born-digital and digitized assets. Frameworks for analysis of technical, practical, economic, legal, social and political factors affecting digital curation decisions. Case studies of specific digital curation scenarios.

Restricted to students in CMDA certification program.

CT01	Jesse Johnston	Seats (Total: 15)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE

INST706 **Project Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: INFM603 and INFM612; or (LBSC631 and LBSC671); or (LBSC635 and LBSC670); or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST706 or INFM706. Formerly: INFM706.

Comprehensive overview of project management, focusing on the needs of information resource (IR) projects. Concepts and techniques for planning and execution of projects including developing work breakdown structure, estimating costs, managing risks, scheduling, staff and resource allocation, team building, communication, monitoring, control, and other aspects of successful project completion.

SG10	Brian Kolowitz	Seats (Total: 25)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

INST709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

0123	Marshini Chetty	Seats (Total: 3)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0203	Brian Butler	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

INST715 **Knowledge Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC631 or INFM603; or permission of instructor. Restriction: Permission of INFO-College of Information Studies. Credit only granted for: INST715 or LBSC715. Formerly: LBSC715.

Nature, creation, acquisition, and use of knowledge. Strategic role of knowledge in organizations and institutions. Information and knowledge ecology. Structure and functions of knowledge management systems and the role of the Internet and intranets. Knowledge as intellectual capital. Roles of librarians and information professionals in the knowledge economy. Strategic issues and future trends.

SG10	Taverekere Srikantaiah	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

INST729E **International Opportunities in Information Studies; Great Cathedral Libraries of England**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST729N **International Opportunities in Information Studies; Namibian Libraries: Developing Services for a Knowledge-Bas ed Economy in Africa**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST729R **International Opportunities in Information Studies; Libraries and Cultural Heritage Institutions of St Petersbu rg**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0122	Leah Findlater **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 3)

INST810 **Individual Research Experience**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: INST810 or LBSC810. Formerly: LBSC810.

Pre-candidacy individual research experience directed by a faculty member.

Contact department for information to register for this course.

INST898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Jennifer Preece **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0108	Douglas Oard **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0208	Douglas Oard **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0217	John Bertot **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

ITAL Italian Summer 2015

ITAL103 **Intensive Elementary Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Italian. Credit only granted for: ITAL103 or ITAL121.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

HY01	Joseph Falvo	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuWTh 6:15pm - 9:00pm	EDU 2102
	Class time/details on ELMs	ONLINE

ITAL122 **Accelerated Italian II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL121; or must have appropriate Foreign Language Placement Test (FLPT) score. Credit only granted for: ITAL203 or ITAL122.

Continuation of ITAL121. Completion of accelerated cycle. May be used to satisfyARHU Global Engagement requirement.

Contact department for information to register for this course.

ITAL169C **Special Topics in Study Abroad I; Italian Conversation**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169E **Special Topics in Study Abroad I; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169I **Special Topics in Study Abroad I; Intensive Intermediate Italian I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169R **Special Topics in Study Abroad I; Introduction to Italian Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169Y **Special Topics in Study Abroad I; Introduction to Italian Language I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL169Z **Special Topics in Study Abroad I; Introduction to Italian Language II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL203 **Intensive Intermediate Italian**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not have completed ITAL122; and must not be a fluent/native speaker of Italian. Credit only granted for: ITAL203 or ITAL122.

Covers speaking, reading, writing, listening, and culture of Italian-speaking world.

Contact department for information to register for this course.

ITAL204 **Review Grammar and Composition**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: ITAL203 or ITAL122; or must have appropriate Foreign Language Placement Test (FLPT) score.

An intensive review of major aspects of contemporary grammatical usage; training in comprehension; an introduction to guided composition.

Contact department for information to register for this course.

ITAL207 **Reading and Writing in Italian**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: ITAL204; or students who have taken courses with comparable content may contact the department. Restriction: Must not be a fluent/native speaker of Italian.

Culture-based, process approach to reading and writing in Italian; selected grammatical topics.

Contact department for information to register for this course.

ITAL211 **Intermediate Conversation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: ITAL203; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a fluent/native speaker of Italian.

Practice in spoken Italian based on reading and listening exercises in variety of genres. Written assignments and exams.

Contact department for information to register for this course.

ITAL269I **Special Topics in Study Abroad II; Intensive Intermediate Italian I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL301 **Italian Composition**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ITAL207; or students who have taken courses with comparable content may contact the department.

Techniques of composition; grammatical analysis; various genres; vocabulary.

Contact department for information to register for this course.

ITAL369A **Special Topics in Study Abroad III; Italian Culture I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL369W **Special Topics in Study Abroad III; Composition and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ITAL431 **Italian Civilization in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL431 or ITAL432.

Political, social, intellectual, literary and artistic forces shaping contemporary Italy from the late Middle Ages to the present. Taught in English.

Contact department for information to register for this course.

ITAL471 **Italian Cinema: A Cultural Approach in Translation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: ITAL471 or ITAL472.

The culture of Italy through the medium of film from the silent days up to the present. Taught in English.

Contact department for information to register for this course.

ITAL499P **Special Topics in Italian Studies; Italian Politics in Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JAPN Japanese Summer 2015

JAPN101 **Elementary Japanese I**

Credits: 6 Grading Method: Regular

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score.

Introduction to basic patterns of contemporary spoken Japanese and to the two phonetic syllabaries (Katakana and Hiragana).

0101	Kumiko Akikawa	Seats (Total: 15)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 12:30pm	KEY 0117

JAPN102 **Elementary Japanese II**

Credits: 6 Grading Method: Regular

Prerequisite: Minimum grade of C- in JAPN101; or appropriate Foreign Language Placement Test (FLPT) score.

Continued introduction to the basic spoken patterns of contemporary Japanese.

0201	Etsuko Yamakita	Seats (Total: 15)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 9:30am - 12:20pm	JMZ 3203

JAPN499T **Directed Study in Japanese; Experiencing Japanese Life: Language and Culture in Kyoto a nd Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

JOUR Journalism Summer 2015

JOUR150 **Introduction to Mass Communication**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSSP

Restriction: Not open to students who have completed JOUR100 prior to Fall 1999. Additional information: Not applicable toward journalism major.

Survey of the functions and effects of the mass media in the United States. A consumer's introduction to newspapers, television, radio, film, sound recording, books, magazines, and new media technology.

YS41	Christine Harvey	Seats (Total: 18)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 10:00am - 1:00pm	KNI 2107
	This section is part of The Young Scholars Program. Enrollment by permission only.	

JOUR175 **Media Literacy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE, D | General Education: DSSP, DVUP

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0301	Tetyana Lokot	Seats (Total: 18)
	Meets June 1, 2015 - June 19, 2015	
	MTuWTh 9:00am - 12:25pm	KNI 2107
0601	Boya Xu	Seats (Total: 14)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 1:20pm	KNI 1208
	To register for this course after July 17, 2015, e-mail summer@umd.edu.	
FF61	Boya Xu	Seats (Total: 11)
	Meets August 3, 2015 - August 21, 2015	
	MTuWTh 10:00am - 1:20pm	KNI 1208
	Restricted to students in Freshman First. For Program information click here .	

JOUR199 **Survey Apprenticeship; Survey Apprenticeship**

(Perm req)

Credits: 1 | Grading Method: Sat-Fail

College-monitored experience in approved mass-communications organizations and industries.

I101	Adrianne Flynn	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

I201	Adrianne Flynn	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

JOUR201 **News Writing and Reporting I**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in ENGL101, JOUR181, and JOUR200; and permission of JOUR-Philip Merrill College of Journalism. Restriction: For students intending to be journalism majors; and permission of JOUR-Philip Merrill College of Journalism.

Introduction to news for the print and electronic media, development of new concepts: laboratory in news-gathering tools and writing skills. Students who earned 80% or higher on the JOUR181 diagnostic are exempt from the JOUR181 prerequisite.

0101	Tamara Cooke Henry	Seats (Total: 16)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 12:00pm - 1:40pm	KNI 2103

JOUR203 **Introduction to Multimedia Skills**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR203 or JOUR328G. Formerly: JOUR328G.

Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Joshua Davidsburg	Seats (Total: 2)
	Meets June 1, 2015 - July 12, 2015	
	MWTh 12:15pm - 2:30pm	KNI 2105

JOUR262 **News Videography**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR203. Also offered as: JOUR603. Credit only granted for: JOUR262 or JOUR603.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0201	Bethany Swain	Seats (Total: 1)
	Meets July 13, 2015 - August 23, 2015	
	MW 10:00am - 1:20pm	TWS 0222B

JOUR320 **News Writing and Reporting II: Multiplatform**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Principles and practices of news reporting; covering news beats and other news sources, including researching news stories for accuracy, comprehensiveness and interpretation. Due to rigorous publication requirement, plan your schedule accordingly.

0201	Sandra Banisky	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	MW 9:00am - 12:20pm	KNI 2105

JOUR352 **Intermediate Multimedia Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: JOUR262 or JOUR202. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues, including interactivity and individualization, will also be discussed.

0201	Sean Mussenden	Seats (Total: 12)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 1:20pm - 3:00pm	KNI 2105

JOUR360 **News Writing and Reporting II: Broadcast**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in JOUR201. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Writing and reporting for broadcast media: production of news stories.

0201	Mary Burns	Seats (Total: 6)
	Meets July 13, 2015 - August 21, 2015	
	TuTh 10:00am - 1:20pm	KNI 2103

JOUR396 **Supervised Internship**

(Perm req)

Credits: 2 Grading Method: Regular

Prerequisite: Must have earned a grade of C- or better in JOUR320 or JOUR360. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR326, JOUR366, or JOUR396.

Students will complete a minimum of 90 hours in a supervised journalism internship over a minimum of 10 weeks in spring and fall, and eight weeks in summer. Emphasis is on relating academic training to professional experience. Students may pick up an internship proposal form in KNI 1100, have their internship supervisor fill it out, and meet with the college's internship director to receive permission to register. No requests to register after the Schedule Adjustment Period will be granted. This requirement would affect incoming freshmen from the fall 2012 class.

I101	Adrianne Flynn	Seats (Total: 50)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	

JOUR398 **Independent Study**

Credits: 1-3 Grading Method: Regular

Individual projects in journalism.

Contact department to make arrangements. Consult in JRN 1117 for section code corresponding to faculty member.

Contact department for information to register for this course.

JOUR399 **Supervised Internship**

(Perm req)

Credits: 1 Grading Method: Regular

Supervised news internship experience; relation of academic training to professional experience.

Prerequisite: C or better in JOUR320 or JOUR360.

I101	Adrianne Flynn	Seats (Total: 100)
	Meets June 1, 2015 - August 21, 2015	
	Contact instructor or department for details.	

JOUR434 **Salzburg Seminar: Global Media Literacy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR734. Credit only granted for: JOUR434 or JOUR734.

An advanced analysis of the information, values underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape views of politics culture and society with nations, across regions and internationally.

Contact department for information to register for this course.

JOUR435 **Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVUP

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR735. Credit only granted for: JOUR435 or JOUR735.

Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.

Contact department for information to register for this course.

JOUR501 **Fundamentals of Writing and Editing**

(Perm req)

Credits: 3 | Grading Method: Regular, Audit

Prerequisite: Permission of JOUR-Philip Merrill College of Journalism.

Principles of news and feature writing. For graduate students with limited prior training or experience in journalism.

0101	Rafael Lorente	Seats (Total: 18)
	Meets June 1, 2015 - July 12, 2015	
	MWTh 9:00am - 11:15am	KNI 2105

JOUR504 **Introduction to Multimedia Skills**

(Perm req)

Credits: 3 | Grading Method: Regular, Audit

Corequisite: JOUR501; or permission of instructor. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Credit only granted for: JOUR504 or JOUR628G. Formerly: JOUR628G.

Examining the basics of producing and editing digital photos, video, an audio. Topics include: framing, lighting, and other aspects of composition; sequencing, using wide, medium, and tight shots; and ethical considerations when collecting sound and visuals.

0101	Joshua Davidsburg	Seats (Total: 16)
	Meets June 1, 2015 - July 12, 2015	
	MWTh 12:15pm - 2:30pm	KNI 2105

JOUR603 **News Videography**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR504; and permission of Journalism College required. Restriction: Permission of JOUR-Philip Merrill College of Journalism. Also offered as: JOUR262. Credit only granted for: JOUR503 or JOUR603. Formerly: JOUR503.

Introduction to shooting, editing and production of video stories for broadcast and the Web; includes newsgathering in the field.

0201	Bethany Swain	Seats (Total: 8)
	Meets July 13, 2015 - August 23, 2015	
	MW 10:00am - 1:20pm	TWS 0222B

JOUR620 **Public Affairs Reporting**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501; or permission of JOUR-Philip Merrill College of Journalism.

Designed to add to and sharpen the skills learned in JOUR501. It is primarily an introduction to "beat" reporting that allows students to sample the most common new beats while reporting and writing on deadline. Students are required to develop and hone their multimedia skills by reporting in a variety of media.

0201	Sandra Banisky	Seats (Total: 6)
	Meets July 13, 2015 - August 23, 2015	
	MW 9:00am - 12:20pm	KNI 2105

JOUR652 **Intermediate Multimedia Journalism**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Corequisite: Offered to students enrolled in a journalism master's degree or certificate. JOUR 504 (formerly 628G) or JOUR 604 (a new course number for certificate students) is a pre- or co-requisite. Restriction: Must be in a major in JOUR-Philip Merrill College of Journalism.

Editing and writing online, using basic Web-coding skills and tools to create news and feature packages for the Internet. New-media issues are also discussed and social media tools and ethics explored.

0201	Sean Mussenden	Seats (Total: 6)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 1:20pm - 3:00pm	KNI 2105

JOUR660 **Broadcast News Writing**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Prerequisite: JOUR501. Credit only granted for: JOUR660 or JOUR760. Formerly: JOUR760.

Descriptive and critical analysis of broadcast news; methods of evaluation of news judgments; decision-making and organizational aspects of the broadcast news industry.

0201	Mary Burns	Seats (Total: 12)
	Meets July 13, 2015 - August 21, 2015	
	TuTh 10:00am - 1:20pm	KNI 2103

JOUR698 **Special Problems in Communication**

Credits: 1-3 Grading Method: Regular, Audit

Independent study in area of the student's interest.

Contact department for information to register for this course.

JOUR734 **Salzburg Seminar: Global Media Literacy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR434. Credit only granted for: JOUR434 or JOUR734.

An advanced analysis of the information, values and underlying messages conveyed via television, newspapers, the Internet, magazines, radio and film from a cross-cultural perspective. Examines the accuracy of messages and explores how distinctive global media shape view of politics, culture and society within nations, across regions and internationally.

Contact department for information to register for this course.

JOUR735 **Salzburg Seminar: Global Change, Global Cooperation**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in Salzburg Academy program. Also offered as: JOUR435. Credit only granted for: JOUR435 or JOUR735.

Practical and theoretical examination of a global problem (or problems) of contemporary importance from a cross-cultural, perspective. Analytical framework used to examine how media shape global problems, events and/or issues regionally.

Contact department for information to register for this course.

JOUR798 **Master's Professional Fieldwork**

Credits: 1-6 Grading Method: Sat-Fail

Research for and preparation of news articles or programs for use in th media. Analysis of fieldwork experience using communication theory and research results. Fieldwork may be done independently or as an internship. Repeatable to a maximum of six credits.

Contact department for information to register for this course.

JOUR799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

JOUR888 **Doctoral Professional Field Work**

Credits: 3-9 Grading Method: Regular, Audit

Critical analysis of a phase of a professional field in journalism and public communication. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

JOUR889 **Doctoral Tutorial in Journalism and Public Communication**

Credits: 3-9 Grading Method: Regular, Audit

Individual research in journalism and public communication.

Contact department for information to register for this course.

JOUR898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

JOUR899 **Doctoral Dissertation Research in Journalism and Mass Communication**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

KNES Kinesiology Summer 2015

KNES131D **Physical Education Activities: Coed; Dance: Salsa (Beginning)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0101	Barbara Bernstein	Seats (Total: 25)	
	Meets June 1, 2015 - July 10, 2015		
	MTuTh 3:00pm - 5:00pm	SPH 0302	Lab

KNES134O **Physical Education Activities: Coed; Bowling (Intermediate)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required the first day of class. Students must pay a $40 facility fee plus bowling shoes are required.

0401	Kevin Alexander	Seats (Total: 40)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 8:00am - 10:00am	SSU B0106C	Lab

KNES137N **Physical Education Activities: Coed; Golf (Beginning)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0401	Jeff Maynor	Seats (Total: 24)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:00am - 11:00am	GLF 1102	Lab

KNES146D **Physical Education Activities: Coed; Scuba Diving (Beginner)**

Credits: 2 Grading Method: Regular, Pass-Fail

Prerequisite: Basic swimming ability. Attendance on the first day of class is required of all students. Students must pay a $40 instructional materials fee. Students will also be expected to pass a medical examination; details can be obtained by the instructor in advance of class.

0102	Les Burke	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	MW 6:00pm - 8:30pm	ERC B0136	Lab

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0201	Emily Sterner	Seats (Total: 15)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWTh 1:00pm - 2:20pm	SPH 0103	Lab
FF61	Shaun Edmonds	Seats (Total: 25)	
	Meets August 3, 2015 - August 21, 2015		
	MTuWTh 2:30pm - 4:35pm	SPH 0103	Lab
	Restricted to students in Freshman First. For Program information click here .		

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0201	Emily Sterner	Seats (Total: 20)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWTh 1:00pm - 2:20pm	SPH 0103	Lab

KNES157T **Physical Education Activities: Coed; Fight the 15: Introduction to fitness and an active lifestyle**

Credits: 1 Grading Method: Regular, Pass-Fail

Students must pay $40 instructional materials fee.

FF61	Emily Sterner	Seats (Total: 25)	
	Meets August 3, 2015 - August 21, 2015		
	MTuWTh 2:30pm - 4:35pm	SPH 0308	Lab
	Restricted to students in Freshman First. For Program information click here.		

KNES161C **Physical Education Activities: Coed; Indoor Group Cycling (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrea Romeo	Seats (Total: 22)	
	Meets June 1, 2015 - July 12, 2015		
	MTuTh 10:00am - 12:00pm	COL SB0191	Lab

KNES161F **Physical Education Activities: Coed; Yoga for Fitness (Beginner)**

Credits: 1 Grading Method: Regular, Pass-Fail

Restricted to students in Frshman First.

FF61	Carly Hunt	Seats (Total: 25)	
	Meets August 2, 2015 - August 21, 2015		
	MTuWTh 2:30pm - 4:35pm	SPH 0107	Lab
	Click here for program information.		

KNES161T **Physical Education Activities: Coed; Yoga (Beginning)**

Credits: 1

Grading Method: Regular, Pass-Fail

Attendance is required beginning the first day of class. Students must pay $40 instructional materials fee.

0101	Anne Contee	Seats (Total: 35)	
	Meets June 1, 2015 - July 12, 2015		
	MWF 9:00am - 11:00am	SPH 0107	Lab

KNES200 **Introduction to Kinesiology**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Kinesiology program; and freshman standing. Or must not be in Kinesiology program; and must have less than 60 credits. Credit only granted for: KNES200 or KNES289M.

An overview of kinesiology, the interdisciplinary study of physical activity. Examines human motor behavior and its cultural forms such as sport from the physiological, psychological, sociological, historical, philosophical, and biomechanical perspectives.

YS41	Jo Zimmerman	Seats (Total: 32)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:30am - 12:00pm	SPH 1312	
	TuTh 1:00pm - 4:00pm	SPH 0124	Lab
	This section is part of The Young Scholars Program. Enrollment by permission only.		

KNES201 **Kinesiological Principles of Physical Activity**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.

An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

WB41	Jo Zimmerman	Seats (Total: 40)	
	Meets July 13, 2015 - July 31, 2015		
	Class time/details on ELMs	ONLINE	

KNES210 **Essentials of Exercise Science for Fitness Professionals**

Credits: 2 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Corequisite: KNES211 or KNES212. Formerly: KNES289N.

Basic concepts of human anatomy, exercise physiology, applied kinesiology, nutrition and the physiology of exercise training. Includes the CORE knowledge required for the American Council on Exercise (ACE) Personal Trainer and the ACE Group Fitness Instructor National Certification Examinations.

WB11	Rosemary Lindle	Seats (Total: 50)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs	ONLINE	

KNES211 **Methods of Personal Fitness Instruction**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in KNES210. Formerly: KNES289P.

Development of personal training skills including effective communication, client assessment, fitness testing, goal setting, program design, program implementation, legal responsibilities and business strategies. This course prepares and provides the student the opportunity to sit for the American Council on Exercise (ACE) Personal Trainer National Certification exam.

0101	Brianne Rowh	Seats (Total: 25)	
	Meets June 1, 2015 - July 10, 2015		
	TuWTh 12:00pm - 2:00pm	SPH 0103	Lab

KNES260 **Science of Physical Activity and Cardiovascular Health**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: LS | General Education: DSNS

Course details (1) the public health importance of and the processes underlying cardiovascular disease, (2) the risk factors for cardiovascular disease and the methods whereby they were identified, and (3) the principles of the scientific evidence supporting the use of physical activity to prevent cardiovascular disease.

WB21	James Hagberg	Seats (Total: 50)	
	Meets July 13, 2015 - August 23, 2015		
	Class time/details on ELMs	ONLINE	

KNES287 **Sport and American Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DVUP

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

FF61	Adam Beissel	Seats (Total: 15)	
	Meets August 3, 2015 - August 21, 2015		
	MTuWTh 10:50am - 11:50am Class time/details on ELMs	SPH 1301 ONLINE	Discussion
	Restricted to students in Freshman First. For Program information click here . This is a hybrid section that meets face-t o-face and has an online component.		
HY61	Adam Beissel	Seats (Total: 25)	
	Meets August 3, 2015 - August 21, 2015		
	MTuWTh 10:50am - 11:50am Class time/details on ELMs	SPH 1301 ONLINE	Discussion
	This is a hybrid section that meets face-to-face and has an online component.To register for this course after July 17, 2015, e-mail summer@umd.edu.		
WB11	David Andrews, Adam Beissel	Seats (Total: 75)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs	ONLINE	

KNES289 **Topical Investigations**

(Perm req)

Credits: 1-3 | Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES293 **History of Sport in America**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

WB31	Samuel Clevenger	Seats (Total: 75)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE
WB61	Samuel Clevenger	Seats (Total: 75)
	Meets August 3, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	To register for this course after July 17, 2015, e-mail summer@umd.edu.	

KNES300 **Biomechanics of Human Motion**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI201. And 1 course with a minimum grade of C- from (MATH112, MATH113, MATH115); or (must have completed one General Education: Fundamental Studies-Math course with a minimum grade of C-; and must have math eligibility of MATH140 or higher). Recommended: PHYS121. Restriction: Must be in a major within SPHL-Kinesiology department.

The study of human movement and the physical and physiological principles upon which it depends. Body mechanics, posture, motor efficiency, sports, the performance of a typical individual and the influence of growth and development upon motor performance.

Students must pay a $50 laboratory fee.

0201	Ross Miller, Alison Pruziner	Seats (Total: 21)	
	Meets July 13, 2015 - August 23, 2015		
	MW 2:00pm - 5:00pm	SPH 1303	
	MW 10:00am - 1:00pm	SPH 0223	Lab

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle.**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSSP, DVUP

Credit only granted for: KNES498L or KNES334. Formerly: KNES498L.

Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs and to lead active lifestyles.

WB11	Ana Palla-Kane **Meets June 1, 2015 - June 26, 2015** Class time/details on ELMs	Seats (Total: 45) ONLINE
WB61	Ana Palla-Kane **Meets August 3, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

KNES350 **The Psychology of Sports**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

WB21	J Carson Smith **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 75) ONLINE

KNES360 **Physiology of Exercise**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in BSCI202 and BSCI201; or permission of SPHL-Kinesiology department. Restriction: Must be in one of the following programs (Kinesiology; Public Health Science).

A study of the physiology of exercise, including concepts of work, muscular contraction, energy transformation, metabolism, oxygen debt, and nutrition and athletic performance. Emphasis on cardiovascular and respiratory function in relation to physical activity and training.

Students must pay a $50 laboratory fee.

0101	Rosemary Lindle **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs TuTh 10:00am - 12:00pm	Seats (Total: 20) ONLINE SPH 0124	 Lab
0102	Rosemary Lindle **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs TuTh 4:00pm - 6:00pm	Seats (Total: 20) ONLINE SPH 0124	 Lab

0103	Rosemary Lindle	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs TuTh 1:00pm - 3:00pm	ONLINE SPH 0124	Lab
0104	Rosemary Lindle	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	Class time/details on ELMs TuTh 8:00am - 10:00am	ONLINE SPH 0124	Lab

KNES370 **Motor Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

WB31	Yue Du	Seats (Total: 50)	
	Meets June 1, 2015 - June 19, 2015		
	Class time/details on ELMs	ONLINE	

KNES385 **Motor Control and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

WB21	Tim Kiemel	Seats (Total: 50)	
	Meets July 13, 2015 - August 23, 2015		
	Class time/details on ELMs Contact instructor or department for details.	ONLINE	

KNES389 **Topical Investigations**

(Perm req) Credits: 1-3 Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiological Sciences Internship**

(Perm req) Credits: 3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: KNES major and relevant KNES major classes.

Contact department for information to register for this course.

KNES462 **Neural Basis of Human Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.

An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

WB11	Rodolphe Gentili	Seats (Total: 45)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

KNES485 **Sport and Globalization**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVUP

Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T.

Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

WB11	Adam Beissel, David Andrews	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

KNES497 **Kinesiology Senior Seminar**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: CS | General Education: DSSP

Prerequisite: A professional writing course with a minimum grade of C-; and all 7 KNES core courses and 2 KNES option courses. And STAT100; or students who have taken courses with comparable content may contact the department. And minimum grade of C- in KNES400; or must be concurrently enrolled in KNES400. Restriction: Senior standing or higher; and must be in Kinesiology program.

Discussions of contemporary issues vital to the discipline, critiques of research in the student's area/areas of special interest, completion of a major project where the student will be asked to demonstrate the ability to carry out investigative processes in problem solving and critical writing under faculty direction.

Summer enrollment is by permission only. Please contact an advisor (advisingknes@umd.edu) if you are interested in enrolling in Kinesiology Senior Seminar.

Click here for more information.

0102	Adam Beissel **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details. *Qualitative Research for Sport and Physical Culture.*	Seats (Total: 10)
0105	Jennie Phillips **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details. *Scientific Aspects of Youth Physical Activity and Sport.*	Seats (Total: 5)
0106	Joanne Klossner **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details. *Hot Topics in Sports Medicine*	Seats (Total: 6)
0109	Jo Zimmerman **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details. *Exercise & Brain Health: From Psychobiology to Behavior.*	Seats (Total: 3)

KNES498 **Special Topics in Kinesiology; Special Topics in Kinesiology**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Contact department for information to register for this course.

KNES498N **Special Topics in Kinesiology; Muscular Aspects of Exercise Physiology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

WB21	Eva Chin	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

KNES689 **Special Problems in Kinesiology**

(Perm req)

Credits: 1-4 Grading Method: Regular

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES689I **Special Problems in Kinesiology; Teaching Secondary Physical Education**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

A focus on content development and implementation, teacher effectiveness grounded in data analysis, and assessment of student learning in middle and secondary schools.

Contact department for information to register for this course.

KNES689V **Special Problems in Kinesiology; Teaching Elementary Physical Education**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

A focus on developmentally appropriate content development and implementation, navigating the instructional, managerial and social task systems using effective teaching behaviors and enhancing student learning through an interdisciplinary approach in elementary schools.

Contact department for information to register for this course.

KNES785 **Internship in Physical Activity and Public Health**

(Perm req)

Credits: 3 Grading Method: Regular

Prerequisite: KNES600, EPIB610, EPIB650, HLSA601, HLTH665, MIEH600, and KNES601. Recommended: KNES602.

The internship is a time-limited, supervised period of public/community health activities carried out in a health or allied health organization involved with physical activity. Students gain practical experience in areas such as program planning and implementation, program evaluation, public policy analysis, research, and management.

0101	Stephen Roth	Seats (Total: 0)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

KNES789 **Advanced Projects in Kinesiology**

Credits: 1-3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Contact department for information to register for this course.

KNES789Z **Advanced Projects in Kinesiology; Professional Development and Capstone**

Credits: 3 Grading Method: Regular

Advanced projects examining current problems and trends in kinesiology.

Examines current scholarship on professional development for K-12 teachers, characteristics of good professional development, and its relationship to teaching, learning, and school improvement.Outreach Secondary MCERT-KNES. Departmental Permission Required.

Contact department for information to register for this course.

KNES798 **Internship in Physical Education/Sports Management**

Credits: 1-8 Grading Method: Regular, Audit

Practical application of previously acquired skills and knowledge in a sport and/or physical education setting. Emphasis on selected experiences to enhance the total academic program of the student. The internship site assignment will depend upon student's background and career goals.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

KNES898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Stephen Roth **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 20)
0201	Stephen Roth **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

KNES899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

LARC Landscape Architecture Summer 2015

LARC160 **Introduction to Landscape Architecture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU, DSSP

History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

WB11	Kelly Cook **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 20) ONLINE

LARC188A **Special Topics in Landscape Architecture; Public Spaces: Then and Now - Italy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A lecture course for students interested in Landscape Architecture to cover topics not formally taught in existing courses. An introductory class on a group of closely-related topics for students with an interest in this discipline.

Contact department for information to register for this course.

LARC451 **Sustainable Communities**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Explores concepts, strategies and examples of community design which address the needs of a growing population while preserving the environment and its resources.

Contact department for information to register for this course.

LARC471 **Capstone Studio: Community Design**

Credits: 5 Grading Method: Regular, Pass-Fail, Audit CORE: CS

Prerequisite: LARC440; and LARC470. Restriction: Senior standing; and must be in Landscape Architecture program.

A capstone experience that emphasizes the integration of critical thinking skills and methodologies introduced throughout the landscape architecture curriculum. Students apply design and analysis methodologies, evaluate alternative solutions, involve community residents and engage in final design development, using the master plan and site design process, report writing, and oral and graphic presentations. Final presentations are open to the university and the community.

Contact department for information to register for this course.

LARC489A **Special Topics in Landscape Architecture; Italy: Architecture and Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC489C **Special Topics in Landscape Architecture**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC499 **Independent Studies in Landscape Architecture**

(Perm req)

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Independent studies in landscape architecture including field, studio o library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular

Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Contact department for information to register for this course.

LBSC Library Science Summer 2015

LBSC611 **History of the Book**

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC611 or LBSC078B. Formerly: LBSC708B.

Introduction to the history and development of the book from pre-printing and incunabula to the post-modern book. Book illustration; publishing; collecting.

0201	Stephen Greenberg	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	MW 6:00pm - 9:15pm	HBK 2119

LBSC622 **Information and Universal Usability**

Credits: 3

Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies.

Information services and technologies to provide equal experiences and outcomes to all users. Laws, standards, approaches, component concepts, access needs, and technologies in relation to physical and online information environments.

Restricted to E-Government Cohort Students.

ML01	Mega Subramaniam	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LBSC631 **Achieving Organizational Excellence**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC631 or LBSC635.

Overview of the principles, practices, and techniques required for effective leadership and management. The innovative strategies, management responsibilities, and skills needed to achieve and sustain high organizational performance in information-based cultural institutions.

SG10	Bruce Dearstyne	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LBSC645 **Literature and Materials for Children**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies.

Survey of literature and other materials for children and youth. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG20	Edith Ching	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LBSC646 **Literature and Materials for Young Adults**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of INFO-College of Information Studies. Credit only granted for: LBSC646 or LBSC746. Formerly: LBSC746.

Survey of literature and other materials for older children and adolescents. Criteria for evaluating and using such materials as they relate to the needs, interests, reading abilities, and other capabilities of young readers.

SG10	Deborah Taylor	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

LBSC707 **Field Study in Library Service**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LBSC601, LBSC650, LBSC670, and LBSC690; and must have completed 12 additional credits. Restriction: Permission of INFO-College of Information Studies.

Supervised experience within library operations and/or the opportunity to perform a study to solve a specific problem in a suitable library or other information agency.

SG10	Rocco Debonis	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LBSC708A **Special Topics in Information Studies; Make E-Government Work**

Credits: 3 Grading Method: Regular, Audit

Consult Schedule of Classes or CLIS informational materials for specific offerings.

Restricted to E-Government students.

ML10	John Bertot	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LBSC709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision.

Contact department for information to register for this course.

LBSC791 **Designing Principled Inquiry**

Credits: 3 | Grading Method: Regular, Audit

Prerequisite: LBSC671, LBSC602, and LBSC631; and additional 15 credits in LBSC course work. Restriction: Permission of INFO-College of Information Studies.

Critical analysis of roles of information professions and institutions in integrating theory, methods, practice, policies, and values of the field, and applying them to the design of future information systems and services.

SG10	Ursula Gorham-Oscilowski	Seats (Total: 21)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LGBT Lesbian Gay Bisexual Transgender Studies — Summer 2015

LGBT265 **Lesbian, Gay, Bisexual, and Transgender Literatures**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HL, D | General Education: DSHU, DVUP

Restriction: Must not have completed ENGL265. Also offered as: ENGL265. Credit only granted for: ENGL265 or LGBT265.

Exploration of literary and cultural expressions of sexuality and gender. Study of a range of historical periods and literary genres, such as essay, poetry, novel, drama, film. Topics include sexual norms and dissidence, gender identity and expression, the relationship between aesthetic forms and sexual subjectivity. Interpretation of texts particularly through the lens of queer theory. Examination of how sex and gender intersect with other forms of difference, including race and class.

WB21	Robert Wakeman	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | , D | General Education: DSHU, DVUP

Restriction: Junior standing or higher.

Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Also offered as ENGL359F. Credit granted for LBGT327 or ENGL359F.

WB21	James Goodwin	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

LING Linguistics Summer 2015

LING200 **Introductory Linguistics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

Credit only granted for: HESP120 or LING200. Additional information: Does not count toward the Linguistics major and does not fulfill prerequisite requirements for all upper-level courses.

An exploration of the nature of human language, designed for non-majors Introduction to the basic concepts and methodology of modern linguistic analysis (sound systems, word formation, sentence structure). Additional topics may include: semantics, pragmatics, social aspects of language, dialects, language change, acquisition, writing systems, typology, language universals, comparison with other communication systems, etc.

0101	Ananda Lila Zoe Schlueter	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 11:00am - 12:20pm	TLF 1101
0201	Zachary Stone	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 11:00am - 12:20pm	KEY 0123

LING240 **Language and Mind**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

Additional information: Required for Linguistics majors and recommended for students in related fields.

The study of language as a cognitive phenomenon. Focus on mastering the concepts and technical skills required for further courses in linguistics. Ways of representing people's knowledge of their native language, ways in which that knowledge is attained naturally by children, and how it is used in speaking and listening. Additional topics may include: animal communication, language and the brain, language and thought.

0201	Michael Fetters	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 9:30am - 10:50am	TLF 1101

LING499 **Directed Studies in Linguistics**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent study or research on language under the supervision of a faculty member.

Contact department for information to register for this course.

LING689 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Independent studies in grammatical theory.

0101	Instructor: TBA	Seats (Total: 2)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0201	Instructor: TBA	Seats (Total: 2)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

LING698 **Directed Study**

(Perm req)

Credits: 3 Grading Method: Regular

Contact department for information to register for this course.

LING798 **Research Papers in Linguistics**

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

LING799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

LING889 **Directed Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

LING895 **Doctoral Research Paper**

(Perm req)

Credits: 6 Grading Method: Regular

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 2)
0117	Ellen Lau **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 2)
0217	Ellen Lau **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

LING896 **Research Paper in Minor Area**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: LING895.

This course is designed to strengthen the students' ability to do research in a minor area of expertise, and to help them create a publishable piece. In addition, the course constitutes part of a set of requirements to advance to doctoral candidacy.

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 1)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)

LING898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

LING899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MATH Mathematics Summer 2015

MATH110 **Elementary Mathematical Models**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSMA

Prerequisite: Must have math eligibility of MATH110 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Restriction: Not open to students majoring in mathematics, engineering, business, life sciences, and the physical sciences;; and must not have completed MATH220, MATH130, or MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: MATH110, MATH112, or MATH113.

Topics include simple and compound interest; recursion for computing balances; installment loans and amortization; approximating data by linear models; analysis of applications to real-world collections of data; probability; conditional probability; independence; expected value; graphing and analysis of systems of inequalities; linear programming and applications.

0201	Ryan Kirk **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 7) MTH 0307
XA21	Ryan Kirk **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 0) MTH 0307

MATH111 **Introduction to Probability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: MS General Education: FSMA

Prerequisite: Must have math eligibility of MATH111 or higher; and math eligibility is based on Math Placement Exam or successful completion of MATH003 with appropriate eligibility. Or MATH110. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences; and must not have completed STAT100; and must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH111 or STAT100.

Logic, Boolean algebra, counting, probability, random variables, expectation, applications of the normal probability distribution.

0102	Xingyin Wang **Meets June 1, 2015 - July 12, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 20) MTH B0423
0201	Jinhang Xue **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 20) MTH 0409

MATH113 **College Algebra and Trigonometry**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH113 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH 003 with appropriate eligibility. Restriction: Must not have completed MATH220, MATH140, MATH112, MATH115, or MATH130; and must not have completed any course with a prerequisite of MATH140 or MATH130 or MATH220. Credit only granted for: Students who have credits for MATH113 may not also receive credits for MATH110, MATH112, or MATH115.

Topics include elementary functions including graphs and applications of: polynomial, rational, exponential, and logarithmic functions. Systems of equations and applications. Trigonometric functions: angle and radian measure, graphs and applications.

0101	Karen McLaren **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) MTH B0425
0201	Viktoria Taroudaki **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 25) MTH 0411

MATH115 **Precalculus**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSMA

Prerequisite: Must have math eligibility of MATH115 or higher; and math eligibility is based on the Math Placement Exam or the successful completion of MATH003 with appropriate eligibility. Or MATH113. Restriction: Must not have completed MATH140; and must not have completed any MATH or STAT course with a prerequisite of MATH140. Credit only granted for: Students who have credits for MATH115 may not also receive credits for MATH112 or MATH113.

Preparation for MATH220, MATH130 or MATH140. Elementary functions and graphs: polynomials, rational functions, exponential and logarithmic functions, trigonometric functions. Algebraic techniques preparatory for calculus.

0101	Samuel Bloom **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) MTH 0403
0201	Ryan Hunter **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 25) MTH B0423

MATH140 **Calculus I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR, FSMA

Prerequisite: Minimum grade of C- in MATH115. Or must have math eligibility of MATH140 or higher; and math eligibility is based on the Math Placement Test. Credit only granted for: MATH130, MATH220, or MATH140.

Introduction to calculus, including functions, limits, continuity, derivatives and applications of the derivative, sketching of graphs of functions, definite and indefinite integrals, and calculation of area. The course is especially recommended for science, engineering and mathematics majors.

0101	Xin Dong **Meets June 1, 2015 - July 24, 2015** MTuWThF 8:00am - 9:20am	Seats (Total: 26) MTH 0103
0102	Arijit Sehanobish **Meets June 1, 2015 - July 24, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 26) MTH 0103

0103	Xuan Yao **Meets June 1, 2015 - July 24, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 26) MTH 0103

MATH141 **Calculus II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: Minimum grade of C- in MATH140. Or minimum grade of B- in MATH130; and permission of CMNS-Mathematics department. Credit only granted for: MATH131, MATH141, or MATH221.

Continuation of MATH140, including techniques of integration, improper integrals, applications of integration (such as volumes, work, arc length, moments), inverse functions, exponential and logarithmic functions, sequences and series.

0101	Maxx Cho **Meets June 1, 2015 - July 24, 2015** MTuWThF 8:00am - 9:20am	Seats (Total: 34) MTH 0106
0102	Bradford Sanders **Meets June 1, 2015 - July 24, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 34) MTH 0106
0103	Robert Maschal **Meets June 1, 2015 - July 24, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 34) MTH 0106

MATH206 **Introduction to Matlab**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH141, MATH131). Credit only granted for: CMSC206, CMSC298M, MATH206, or MATH299M.

This course is intended to prepare students for subsequent courses requiring computation with MATLAB. Covers basics of MATLAB including simple commands, variables, solving equations, graphing differentiation and integration, matrices and vectors, functions, M-files and fundamentals of programming in the MATLAB environment. When offered in Winter and Summer terms, the course is offered in a format suitable for online distance learning.

WB21	Justin Wyss-Gallifent	Seats (Total: 70)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

MATH220 **Elementary Calculus I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR, FSMA

Prerequisite: MATH112, MATH113, or MATH115. Or must have math eligibility of MATH220 or higher; and math eligibility is based on the Math Placement Test. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH130, MATH220, or MATH140.

Basic ideas of differential and integral calculus, with emphasis on elementary techniques of differentiation and applications.

0101	Colleen Stock	Seats (Total: 35)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 10:50am	MTH 0304
0201	Scott Schmieding	Seats (Total: 34)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 11:00am - 12:20pm	MTH 0304

MATH221 **Elementary Calculus II**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS

Prerequisite: MATH220, MATH130, or MATH140. Restriction: Not open to students majoring in mathematics, engineering or the physical sciences. Credit only granted for: MATH131, MATH141, or MATH221.

Differential and integral calculus, with emphasis on elementary techniques of integration and applications.

0101	Ye Chen	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 10:50am	MTH 0401

MATH240 **Introduction to Linear Algebra**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141. Credit only granted for: MATH240, MATH341, or MATH461.

Basic concepts of linear algebra: vector spaces, applications to line and plane geometry, linear equations and matrices, similar matrices, linear transformations, eigenvalues, determinants and quadratic forms.

0101	Adam Lizzi	Seats (Total: 30)
	Meets June 1, 2015 - July 24, 2015	
	MTuWThF 11:00am - 12:20pm	MTH 0409

MATH241 **Calculus III**

Credits: 4

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH241 or MATH340.

Introduction to multivariable calculus, including vectors and vector-valued functions, partial derivatives and applications of partial derivatives (such as tangent planes and Lagrange multipliers), multiple integrals, volume, surface area, and the classical theorems of Green, Stokes and Gauss.

0101	Timothy Mercure	Seats (Total: 26)
	Meets June 1, 2015 - July 24, 2015	
	MTuWThF 9:30am - 10:50am	Location: TBA
0102	Nathaniel Monson	Seats (Total: 26)
	Meets June 1, 2015 - July 24, 2015	
	MTuWThF 9:30am - 10:50am	MTH 0403

MATH246 **Differential Equations for Scientists and Engineers**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH141. Credit only granted for: MATH246 or MATH341.

An introduction to the basic methods of solving ordinary differential equations. Equations of first and second order, linear differential equations, Laplace transforms, numerical methods and the qualitative theory of differential equations.

0101	Weikun Wang **Meets June 1, 2015 - July 12, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH 0305
0102	Yimei Fan **Meets June 1, 2015 - July 12, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 30) MTH 0101
0201	Micah Goldblum **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH 0304
0202	Raluca Rosca **Meets July 13, 2015 - August 23, 2015** MTuWThF 11:00am - 12:20pm	Seats (Total: 28) MTH B0429

MATH310 **Introduction to Mathematical Proof**

Credits: 3 Grading Method: Regular

Prerequisite: MATH141; and must have completed or be concurrently enrolled in MATH241 or MATH340; and must have completed or be concurrently enrolled in MATH240, MATH341, or MATH461. Restriction: Must be in a major within the CMNS-Mathematics department. Credit only granted for: MATH307 or MATH310. Additional information: Math majors may not use this course to satisfy an upper-level requirement.

To develop the students' ability to construct a rigorous proof of a mathematical claim. Students will also be made aware of mathematical results that are of interest to those wishing to analyze a particular mathematical model. Topics will be drawn from logic, set theory, structure of the number line, elementary topology, metric spaces, functions, sequences and continuity.

0201	Nathaniael Manning **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH 0306

MATH401 **Applications of Linear Algebra**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH461, MATH240, MATH341).

Various applications of linear algebra: theory of finite games, linear programming, matrix methods as applied to finite Markov chains, random walk, incidence matrices, graphs and directed graphs, networks and transportation problems.

0101	Wiseley Wong	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 11:00am - 12:20pm	MTH 0401

MATH406 **Introduction to Number Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (MATH240, MATH241, MATH246, MATH340, MATH341, MATH461); or permission of CMNS-Mathematics department.

Integers, divisibility, prime numbers, unique factorization, congruences, quadratic reciprocity, Diophantine equations and arithmetic functions.

0201	Joel Cohen	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 11:00am - 12:20pm	MTH 0305

MATH410 **Advanced Calculus I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH240 and MATH241. And minimum grade of C- in MATH310; or students who have taken courses with comparable content may contact the department. And permission of CMNS-Mathematics department.

First semester of a year course. Subjects covered during the year are: sequences and series of numbers, continuity and differentiability of real valued functions of one variable, the Riemann integral, sequences of functions and power series. Functions of several variables including partial derivatives, multiple integrals, line and surface integrals. The implicit function theorem.

0101	Roohollah Ebrahimian	Seats (Total: 25)
	Meets June 1, 2015 - July 24, 2015	
	MTuThF 11:00am - 12:20pm	MTH B0421

MATH461 **Linear Algebra for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH141; and must have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: MATH240, MATH341, or MATH461. Additional information: This course may not be used towards the upper level math requirements for MATH/STAT majors.

Basic concepts of linear algebra. This course is similar to MATH 240, but with more extensive coverage of the topics needed in applied linear algebra: change of basis, complex eigenvalues, diagonalization, the Jordan canonical form.

0101	Tao Zhang **Meets June 1, 2015 - July 12, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 27) MTH 0101
0201	Niranjan Ramachandran **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 26) MTH 0105

MATH462 **Partial Differential Equations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 or MATH340; and (MATH246 or MATH341).

Linear spaces and operators, orthogonality, Sturm-Liouville problems and eigenfunction expansions for ordinary differential equations. Introduction to partial differential equations, including the heat equation, wave equation and Laplace's equation. Boundary value problems, initial value problems and initial-boundary value problems.

0201	Yiran Li **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 20) ARM 0110

MATH463 **Complex Variables for Scientists and Engineers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241 or MATH340.

The algebra of complex numbers, analytic functions, mapping properties of the elementary functions. Cauchy integral formula. Theory of residues and application to evaluation of integrals. Conformal mapping.

0101	Manoussos Grillakis	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 10:50am	MTH 1308

MATH478A **Selected Topics For Teachers of Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MATH487 **Number for Middle Grades Teachers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have admission to M.A. or M.Ed. with concentration in Mathematics Education; or permission of CMNS-Mathematics department. Restriction: This course may not be used towards the upper level math requirements for the MATH/STAT major. Credit only granted for: MATH487 or MATH498K. Formerly: MATH498K.

The rational number and proportional reasoning concepts developed in the middle grades and the larger mathematical context for these. Multiple representations of relationships, including verbal descriptions, diagrams, tables, graphs, and equations. Common misconceptions.

IH30	Carolina Napp-Avelli	Seats (Total: 25)
	Meets May 12, 2015 - June 30, 2015	
	TuTh 4:30pm - 7:30pm	Location: TBA

MATH489 **Research Interactions in Mathematics**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Students participate in a vertically integrated (undergraduate, graduat and/or postdoctoral, faculty) mathematics research group. Format varies. Students and supervising faculty will agree to a contract which must be approved by the department. Up to three credits of MATH489 may be applied to the mathematics degree requirements. See the department's MATH489 online syllabus for further information.

0106	Elizabeth Wilson	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0206	Elizabeth Wilson	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

MATH498A **Selected Topics in Mathematics**

(Perm req)

Credits: 1-9 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the departmental committee on undergraduate studies.

Contact department for information to register for this course.

MATH689 **Research Interactions in Mathematics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

Contact department for information to register for this course.

MATH799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MATH898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MATH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

MIEH Maryland Institute for Applied Environmental Health Summer 2015

MIEH309 **Environmental Health Research**

Credits: 1-3 Grading Method: Regular

This research-based course will provide undergraduates with the opportunity to work closely with one of the faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

Contact department for information to register for this course.

MIEH600 **Foundations of Environmental Health**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: HLTH761 or MIEH600. Formerly: HLTH761.

Overview of the chemical, physical and biological hazards present in ou living and working environment and their effects on human health. Topics include: exposure assessment, industrial hygiene and safety, pesticides, community and indoor pollution, food-borne diseases, solid and hazardous wastes, water resources, risk assessement, ecological issues and environmental laws.

WB11	Paul Turner	Seats (Total: 30)
	Meets June 29, 2015 - August 7, 2015	
	MW 4:30pm - 8:15pm	ONLINE

MIEH785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

MIEH786 **Captsone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0101	Paul Turner **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Paul Turner **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0202	Amir Sapkota **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0205	Robin Puett **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

MIEH788 **Critical Readings in Environmental Health**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

In-depth examination and critical discussion of the current literature relevant to environmental health.

0101	Paul Turner **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Paul Turner **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

0202	Amir Sapkota **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0203	Amy Sapkota **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0204	Donald Milton **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0205	Robin Puett **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0206	Sacoby Wilson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

MIEH789 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MLAW MPower Undergraduate Law Programs Summer 2015

MLAW298M **Special Topics in Legal Studies; Mock Trial**

Credits: 3 Grading Method: Regular

Substantive and experiential approaches to legal phenomena. Topics vary.

Experience the excitement and reward of arguing, and perhaps winning your client's case in court! Mock Trial is designed to introduce students to the key principles of trial advocacy through a "learn by doing" approach to instruction. While classes will include explanatory lectures, the emphasis will be on learning through student exercises and by students observing and analyzing the performances of others. This hands-on course will culminate in two mock trials where students will serve as attorneys and witnesses.

YS41	Erica Smith	Seats (Total: 25)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 10:00am - 1:00pm	CBD 1140
	This section is part of The Young Scholars Program. Enrollment by permission only.	

MOCB Molecular and Cell Biology Summer 2015

MOCB699 Laboratory Rotation

Credits: 2-3 Grading Method: Sat-Fail

Laboratory experience in molecular-cell biology.

Contact department for information to register for this course.

MOCB899 Doctoral Dissertation Research

Credits: 1-8 Grading Method: Sat-Fail

0101	Instructor: TBA	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0182	Daniel Nelson	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0201	John Moult	Seats (Total: 2)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	
0206	Louisa Wu	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	
0263	Zhongchi Liu	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

0277	Volker Briken	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

MUED Music Education Summer 2015

MUED699B **Workshops, Clinics, Institutes; Developing Musical Brains and Behaviors**

Credits: 3 Grading Method: Regular, Audit

Innovative approaches to various dimensions of music education are offered to meet the pedagogical needs of music teachers. The maximum number of credits tht may be earned under this course symbol toward any degree is six semester hours; the symbol may be used two or more times unti sixsemester hours have been reached.

Examine information from neuroscience, cognitive science, and learning theories that could inform and improve your teaching and your students learning in music. Design instructional sequences for your classes based on principles from these three disciplines.

0501	Janet Montgomery	Seats (Total: 15)
	Meets June 22, 2015 - July 10, 2015	
	MTuWThF 9:00am - 12:00pm	PAC 2130A
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

MUSC School of Music Summer 2015

MUSC140 **Music Fundamentals I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSSP

Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).

Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

0101	Bradley Green	Seats (Total: 15)	
	Meets June 1, 2015 - July 12, 2015		
	MTuW 11:00am - 12:40pm	PAC 3164	
	Th 11:00am - 12:40pm	PAC 1108	Lab

MUSC269A **Special Topics in Study Abroad II; Enhancing Spanish Language and Cultural Knowledge Through Music**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC269I **Special Topics in Study Abroad II; History of Italian Music**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

MUSC388 **Music Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Pre-professional field work in music.

Contact department for information to register for this course.

MUSC389 **Music Internship Analysis; Music Internship Analysis**

(Perm req)

Credits: 1 Grading Method: Regular

Documentation and evaluation of field work experience.

Contact department for information to register for this course.

MUSC448 **Selected Topics in Music**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MUSC448I **Selected Topics in Music; Italy Summer Piano Program at the Amalfi Coast**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

MUSC463 **Applications in Music Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A hands-on study of computer hardware and software that makes use of th MIDI (Musical Instrument Digital Interface) specification. This protocol allows computers, synthesizers and various other devices to send and receive information about musical performance, notation and sound. The course focuses on two of the most frequently used applications on MIDI -- sequencing and music notation. Also included is an introduction to digital audio. No previous experience with computers is required. Ability to read music on a grand staff (treble and bass clef) is recommended.

0301	Geoffrey Sheil	Seats (Total: 15)
	Meets June 1, 2015 - June 19, 2015	
	MTuWThF 1:00pm - 4:00pm	PAC 1108

MUSC499 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent research on a topic chosen in consultation with the instructor, which may culminate in a paper or appropriate project.

Contact department for information to register for this course.

MUSC699 **Selected Topics in Music**

Credits: 1-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

MUSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

MUSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

NFSC Nutrition and Food Science Summer 2015

NFSC103 **Nutrition and Sports Performance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Additional information: no prerequisites.

Nutrition and Sports Performance would give students a brief overview of positive health-related outcomes of a physically active lifestyle. Students would design a fitness regimen and be able to describe when and how glycogen, blood glucose, fat, and protein are used to meet energy needs during different types of physical activity. They would be able to differentiate between anaerobic and aerobic use of glucose, and identify advantages and disadvantages of each. This course would outline how to estimate and athlete's calorie need and discuss the general principles for meeting overall nutrient requirements in the training diet. The problems associated with rapid weight loss by dehydration and the importance of water and/or sports drinks during exercise would be examined. An understanding of the importance of staying well-nourished with carbohydrate, protein, and various vitamins and minerals before, during, and after training would be discussed.

WB21	Saira Khan	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

NFSC490 **Special Problems in Nutrition**

(Perm req)

Credits: 2-3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: NFSC440; and permission of AGNR-Nutrition and Food Science department.

Individually selected problems in the area of human nutrition.

Contact department for information to register for this course.

NFSC498A **Selected Topics; Individual Study**

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC498G **Selected Topics; Ghana: A Feed the Future Classroom**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Selected current aspects of food.

Contact department for information to register for this course.

NFSC699 **Problems in Nutrition and Food Science**

(Perm req)

Credits: 1-4

Grading Method: Regular, Audit

Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

(Perm req)

Credits: 1-6

Grading Method: Regular, Sat-Fail

First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.

Contact department for information to register for this course.

NFSC898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

First and second semesters. Oral reports on special topics or recently published research in nutrition. Distinguished scientists are invited as guest lecturers. A maximum of three credits allowed for the M.S.

0101	Robert Jackson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0103	Qin Wang **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0115	Liangli Yu **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0116	Robert Buchanan **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0133	Shaik Rahaman **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0201	Robert Jackson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0203	Qin Wang **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)
0215	Liangli Yu **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0216	Robert Buchanan **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

NFSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PERS Persian Summer 2015

PERS105 **Intensive Elementary Persian I**

(Perm req)

Credits: 6 Grading Method: Regular, Pass-Fail

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Open to beginning learners of Persian only.

Intensive training in spoken and written Persian at elementary level. Basic literacy skills, vocabulary, pronunciation and grammar developed through a highly interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Bahareh Jalehmahmoudi **Meets June 1, 2015 - July 2, 2015** MTuWThF 9:00am - 5:00pm	Seats (Total: 15) SQH 1101

PERS106 **Intensive Elementary Persian II**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail

Prerequisite: Pre-requisite: PERS105, or equivalent, as determined by the FLPT (Foreign Language Placement Test).

Intensive training in spoken and written Persian at elementary level (ACTFL Novice High to Intermediate Low). Continues building basic literacy skills, vocabulary, and grammar through highly a interactive approach. Substantial cultural component familiarizing students with cultural themes related to Iran and the Persian speaking world. Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Bahareh Jalehmahmoudi	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1117

PERS205 **Intensive Intermediate Persian I**

(Perm req)

Credits: 6

Grading Method: Regular

Prerequisite: PERS106; or equivalent as determined by Foreign Language Placement Test (FLPT).

Development of Persian language proficiency and cultural knowledge at the intermediate level (Intermediate-Mid on ACTFL scale). Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Manizhe Galledari	Seats (Total: 15)
	Meets June 1, 2015 - July 2, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1123

PERS206 **Intensive Intermediate Persian II**

(Perm req)

Credits: 6

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS205; or equivalent, as determined by the FLPT (Foreign Language Placement Test).

Designed to further develop Persian language proficiency and cultural knowledge at an intermediate level (Intermediate High on ACTFL scale). Taught in Persian.

Registration limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Manizhe Galledari	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1123

PERS405 **Media and the Current Issues in Iranian Society**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS306; or equivalent as determined by FLPT (Foreign Language Placement Test).

Develops Persian language proficiency and domain-specific knowledge at advanced-mid to advanced-high level on ACTFL scale. Enhances linguistic and cultural competence. Provides a broad understanding of some of the current social, political and economic issues in modern Iran. Taught in Persian.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL11	Ali Abasi, Rashin Kheiriyeh	Seats (Total: 15)
	Meets June 1, 2015 - July 2, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1105

PERS406 **Practicum in Persian Translation**

Credits: 6 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PERS306; or equivalent as determined by the FLPT (Foreign Language Placement Test).

Provides opportunities for translation, interpretation, and analysis of various authentic oral and written texts (both English to Persian and Persian to English). Facilitates the development of Persian language proficiency at advanced level through a task-based approach that integrates all the language skills in pedagogical translation activities.

Registration is limited to students accepted into the Summer Language Institute.

Click here for more course information.

XL21	Ali Abasi, Rashin Kheiriyeh	Seats (Total: 15)
	Meets July 6, 2015 - August 5, 2015	
	MTuWThF 9:00am - 5:00pm	SQH 1105

PHIL Philosophy Summer 2015

Click here for detailed course descriptions.

PHIL100 **Introduction to Philosophy**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

WB31	Christian Tarsney	Seats (Total: 30)
	Meets June 1, 2015 - June 21, 2015	
	Class time/details on ELMs	ONLINE

PHIL140 **Contemporary Moral Issues**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

WB51	Alexey Aliev	Seats (Total: 30)
	Meets June 22, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	
YS41	Xuan Wang	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	MTuWThF 10:00am - 1:00pm	SKN 1112
	This section is part of The Young Scholars Program. Enrollment by permission only.	

PHIL170 **Introduction to Logic**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR

Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

WB41	Sungwon Woo	Seats (Total: 38)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

PHIL230 **Philosophy of the Arts**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

A survey of theoretical perspectives on the arts from Plato to the present, along with critical examination of specific works of art. Analysis of concepts central to thought about art, such as beauty, form, content, expression, representation, interpretation, creation, style, medium, realism, aesthetic experience, and aesthetic value.

WB41	Logan Fletcher	Seats (Total: 30)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

PHIL308X **Studies in Contemporary Philosophy; Philosophy and Time Travel**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view of current interest in philosophy.

Examines the philosophical issues surrounding the paradoxes of time travel. Several solutions are considered, ranging from classical consistency conditions to multiverse theories. Materials include works of philosophy and physics, and time travel narratives from science fiction short stories and movies.

WB11	Lucas Dunlap	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

PHIL328L **Studies in the History of Philosophy; Friendship in Plato and Aristotle**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Problems, issues, and points of view in the history of philosophy.

What does it take to be or have a friend? Why does friendship matter in the first place, if it does at all? An investigation into these and related questions via the writings of Plato and Aristotle.

WB21	Quinn Harr **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE

PHIL498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

PHIL688 **Selected Problems in Philosophy**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
0201	Instructor: TBA **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

PHIL788 **Research in Philosophy**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

0101	Instructor: TBA **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)

0201	Instructor: TBA	Seats (Total: 5)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

PHIL799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department to make arrangements.

Contact department for information to register for this course.

PHIL898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0105	Lindley Darden	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0205	Lindley Darden	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

PHIL899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department to make arrangements.

Contact department for information to register for this course.

PHYS Physics Summer 2015

PHYS121 **Fundamentals of Physics I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: PL General Education: DSNL

Prerequisite: MATH112 or MATH115. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics treating the fields of mechanics, heat, sound, electricity, magnetism, optics, and modern physics. Together with PHYS122, this generally satisfies the minimum requirement of medical and dental schools.

Students must pay a $50.00 Laboratory Materials fee.

0181	Sergio Picozzi **Meets June 1, 2015 - July 12, 2015** MTuWThF 5:30pm - 6:50pm TuTh 7:00pm - 9:00pm MW 7:00pm - 8:00pm	Seats (Total: 26) PHY 1204 PHY 3306 PHY 1201	 Lab Discussion
0182	Sergio Picozzi **Meets June 1, 2015 - July 12, 2015** MTuWThF 5:30pm - 6:50pm MW 7:00pm - 9:00pm TuTh 7:00pm - 8:00pm	Seats (Total: 26) PHY 1204 PHY 3306 PHY 1201	 Lab Discussion

PHYS122 **Fundamentals of Physics II**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS121; or students who have taken courses with comparable content may contact the department.

A continuation of PHYS121, which together with it, generally satisfies the minimum requirement of medical and dental schools.

Students must pay a $50.00 Laboratory Materials fee.

0281	Sergio Picozzi **Meets July 13, 2015 - August 23, 2015** MTuWThF 5:30pm - 6:50pm TuTh 7:00pm - 9:00pm MW 7:00pm - 8:00pm	Seats (Total: 24) PHY 1204 PHY 3312 PHY 1204	 Lab Discussion
0282	Sergio Picozzi **Meets July 13, 2015 - August 23, 2015** MTuWThF 5:30pm - 6:50pm MW 7:00pm - 9:00pm TuTh 7:00pm - 8:00pm	Seats (Total: 24) PHY 1204 PHY 3312 PHY 1204	 Lab Discussion

PHYS131 **Fundamentals of Physics for Life Sciences I**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH130, MATH131, BSCI105, BSCI106, and CHEM131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS121 or PHYS131.

The first part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic mechanics including forces and energy, properties of matter, and thermodynamics done in authentic biological contexts.

0101	David Buehrle	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 9:30am - 10:50am	PHY 1410	
	TuTh 12:00pm - 1:50pm	PHY 3310	Lab
	MW 11:00am - 11:50am	MTH 0306	Discussion

PHYS132 **Fundamentals of Physics for Life Sciences II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS131; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS122 or PHYS132.

The second part of a two-semester course in general physics specifically oriented towards applications relevant for students in biology and pre-medical programs. The course covers basic statistical physics, electricity and magnetism, and optics done in authentic biological contexts.

0201	David Buehrle	Seats (Total: 24)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 9:30am - 10:50am	PHY 1410	
	TuTh 12:00pm - 1:50pm	PHY 3310	Lab
	MW 11:00am - 11:50am	PHY 1219	Discussion

PHYS141 **Principles of Physics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: PL General Education: DSNL

Corequisite: MATH141 or MATH221. Credit only granted for: PHYS141, PHYS161, or PHYS171.

The first of a two-semester series in general physics. The first semester covers the fields of mechanics, thermodynamics, and special relativity. This survey course will use calculus and is recommended for chemistry and zoology majors. It also satisfies the requirements of medical and dental schools.

0181	Sophia Suarez	Seats (Total: 26)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 5:30pm - 6:50pm	PHY 1201	
	TuTh 7:00pm - 9:00pm	PHY 3314	Lab
	MW 7:00pm - 7:50pm	PHY 1204	Discussion

PHYS142 **Principles of Physics**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | CORE: PL | General Education: DSNL

Prerequisite: PHYS141; or students who have taken courses with comparable content may contact the department. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.

A continuation of PHYS141 covering waves, electricity and magnetism, optics and modern physics.

0281	Sergio Picozzi	Seats (Total: 27)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 5:30pm - 6:50pm	MTH B0421	
	TuTh 7:00pm - 9:00pm	PHY 3314	Lab
	MW 7:00pm - 7:50pm	MTH B0421	Discussion

PHYS161 **General Physics: Mechanics and Particle Dynamics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: PS | General Education: DSNS

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Credit only granted for: PHYS141, PHYS161, or PHYS171.

First semester of a three-semester calculus-based general physics course. Laws of motion, force, and energy; principles of mechanics, collisions, linear momentum, rotation, and gravitation.

0101	Sophia Suarez	Seats (Total: 32)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 2:30pm - 3:50pm	PHY 1219	
	TuTh 1:30pm - 2:20pm	PHY 1219	Discussion

PHYS260 **General Physics: Vibration, Waves, Heat, Electricity and Magnetism**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS261)

Prerequisite: PHYS161 and MATH141. Corequisite: PHYS261. Credit only granted for: PHYS142, (PHYS260 and PHYS261), or PHYS272.

Second semester of a three-semester calculus-based general physics course. Vibrations, waves, fluids; heat, kinetic theory, and thermodynamics; electrostatics, circuits, and magnetism. PHYS260 and PHYS261 must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0201	David Buehrle	Seats (Total: 36)	
	Meets July 13, 2015 - August 23, 2015		
	MTuWThF 11:00am - 12:20pm	PHY 1402	
	TuTh 10:00am - 10:50am	PHY 1402	Discussion

PHYS261 **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

There is a $50.00 lab fee for this course.

0201	David Buehrle	Seats (Total: 36)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 1:00pm - 4:00pm	PHY 3219	Lab

PHYS261M **General Physics: Vibrations, Waves, Heat, Electricity and Magnetism (Laboratory)**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DSNL

Corequisite: PHYS260.

Lab includes experiments on mechanics, vibrations, waves, heat, electricity and magnetism. PHYS260 and PHYS261 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS260 and PHYS261.

0201	David Buehrle	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	
	Restricted to students transferring a lab grade from a previous semester.	

PHYS270 **General Physics: Electrodynamics, Light, Relativity and Modern Physics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL (if taken with PHYS271)

Prerequisite: PHYS261, MATH241, and PHYS260. Corequisite: PHYS271. Credit only granted for: (PHYS270 and PHYS271) or PHYS273.

Third semester of a three-semester calculus-based general physics course. Electrodynamics, Maxwell's equations and electromagnetic waves, geometrical optics, interference, diffraction, special theory of relativity, and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	David Buehrle	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 11:00am - 12:20pm	PHY 1402	
	MW 10:00am - 10:50am	PHY 1402	Discussion

PHYS271 **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

There is a $50.00 lab fee for this course.

0101	David Buehrle	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	MW 1:00pm - 4:00pm	PHY 3220	Lab

PHYS271M **General Physics: Electrodynamics, Light, Relativity and Modern Physics (Laboratory)**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSNL

Prerequisite: PHYS261. Corequisite: PHYS270.

Lab includes experiments on ac circuits, magnetism, light and modern physics. PHYS270 and PHYS271 (lab) must be taken in the same semester and the grade for the courses will be combined into a single grade for both. To pass, students must complete passing work in both PHYS270 and PHYS271.

0101	David Buehrle **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)

PHYS299 **Special Problems in Physics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Research or special study to complement courses taken elsewhere which are not fully equivalent to those in departmental requirements. Credit according to work done.

Contact department for information to register for this course.

PHYS305 **Physics Shop Techniques**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Permission of CMNS-Physics department.

Machine tools, design and construction of laboratory equipment.

0101	Lester Putnam **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 4)
0201	Lester Putnam **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 4)

PHYS399 **Special Problems in Physics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced experiments. (Will be given with sufficient demand.)

Contact department for information to register for this course.

PHYS499 **Special Problems in Physics**

(Perm req)

Credits: 1-16

Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Contact department for information to register for this course.

PHYS798 **Special Problems in Advanced Physics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department to make arrangements.

Contact department for information to register for this course.

PHYS798I **Special Problems in Advanced Physics; RF Superconductivity: Physics, Technology and Applications**

Credits: 3

Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798J **Special Problems in Advanced Physics; Beam Dynamics Experiments on University of Maryland Electron Ring**

Credits: 3

Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798K **Special Problems in Advanced Physics; Beam Physics with Intense Space Charge**

Credits: 2-3

Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798M **Special Problems in Advanced Physics; Medical Applications of Accelerators**

Credits: 1

Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798O **Special Problems in Advanced Physics; Laser Plasma Accelerators**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798Q **Special Problems in Advanced Physics; Vacuum Electron Devices**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798R **Special Problems in Advanced Physics; Beam-Based Diagnostics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798T **Special Problems in Advanced Physics; Radiation Detection and Imaging for Medicine and Homeland Security**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798V **Special Problems in Advanced Physics; Laser Application to Accelerators**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798W **Special Problems in Advanced Physics; Microwave Sources**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS798X **Special Problems in Advanced Physics; Control Room Accelerator Physics**

Credits: 1 Grading Method: Regular, Audit

Projects or special study in advanced physics.

Contact department for information to register for this course.

PHYS799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

PHYS898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC Plant Sciences Summer 2015

PLSC100 **Introduction to Horticulture**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL

An overview to the art and science of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by cultural practices.

Students must pay a $50.00 lab materials fee.

Click here for more course information.

0101	Carol Allen	Seats (Total: 24)	
	Meets June 1, 2015 - July 12, 2015		
	MTuWThF 9:30am - 10:50am	PLS 1180	
	MW 12:30pm - 3:20pm	PLS 1153	Lab

PLSC399 **Special Problems in Plant Science**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research projects in Plant Science including field, greenhouse, laboratory, studio and/or library studies. Research is conducted under the direction of a faculty member.

0132	Lea Johnson **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0136	Maile Neel **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0144	William Phillips **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0152	Christopher Walsh **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0160	Cassandra Swett **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0166	Shunyuan Xiao **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0172	Kate Tully **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0176	Burkhard Schulz **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0232	Lea Johnson **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

0236	Maile Neel **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0244	William Phillips **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0252	Christopher Walsh **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0260	Cassandra Swett **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0266	Shunyuan Xiao **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0272	Kate Tully **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)
0276	Burkhard Schulz **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

PLSC489T **Special Topics in Plant Science; Tropical Fungi and Plant Health: Cosat Rica**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

Contact department for information to register for this course.

PLSC489U **Special Topics in Plant Science; Tropical Fungi and Plant Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A lecture and or laboratory series organized to study a selected phase of Plant Science not covered by existing courses. Credit according to time scheduled and organization of the course.

This field course in Costa Rica will teach students about fungi in their natural habitats and in agricultural settings. Students will learn how fungi can affect crop and natural plants. This will be accomplished by hands-on learning in the field and laboratory in the forests and agricultural fields where plants grow. Students will visit natural tropical forests, and collect and identify from microscopic fungi to macroscopic mushrooms. The students will also visit farms where different crops are produced, from very local subsistence agriculture (for example, rice andbeans and other vegetables) to large-scale agriculture to export to the United States (for example, bananas, pineapples, ornamentals, and others). Students will learn how to identify plant diseases that affect those crops. Students from the University of Costa Rica (UCR) will also participate. Students from both universities will develop short research projects during the course.

0201	Priscila Chaverri	Seats (Total: 10)
	Meets July 19, 2015 - August 2, 2015	
	Contact instructor or department for details.	

PLSC689J **Special Topics; Tropical Fungi and Plant Health**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on a specialized advanced topic.

This field course in Costa Rica will teach students about fungi in their natural habitats and in agricultural settings. Students will learn how fungi can affect crop and natural plants. This will be accomplished by hands-on learning in the field and laboratory in the forests and agricultural fields where the plants grow. Students will visit natural tropical forests, and collect and identify from microscopic to macroscopic mushrooms. The students will also visit farms where different crops are produced, from very local subsistence agriculture (for example, rice and beans and other vegetables) to large-scale agricultural for export to theUnited States (for example, banans, pineapples, ornamentals, and others). Students will learn how to identify plant diseases that affect those crops. Students from the University of Costa Rica (UCR) will also participate. Students from bothuniversities will develop short research projects during the course.

Contact department for information to register for this course.

PLSC789M **Advances in Research; Plant Membrane Biology**

Credits: 1 Grading Method: Regular, Audit

Discussion of advances in plant science research based on classic and current scientific literature.

0101	Angus Murphy, Wendy Peer	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

0201	Wendy Peer	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

PLSC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PLSC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PLSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PSYC Psychology Summer 2015

PSYC100 **Introduction to Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS, DSNS

A basic introductory course, intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

0601	Steven Brauth	Seats (Total: 19)
	Meets August 3, 2015 - August 21, 2015	
	MTuWThF 10:00am - 12:40pm	BPS 1236
	To register for this course after July 17, 2015, e-mail summer@umd.edu.	
FF61	Steven Brauth	Seats (Total: 18)
	Meets August 3, 2015 - August 21, 2015	
	MTuWThF 10:00am - 12:40pm	BPS 1236
	Restricted to students in Freshman First. For Program information click here .	

WB11	Ryan Curtis	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

PSYC111 **The Psychology of Unethical Conduct**

Credits: 1 Grading Method: Regular

Additional information: Online and self-paced course open to all majors.

An exploration of the University of Maryland's 10 Principles of Ethical and Responsible Conduct (http://www.responsibleconduct.umd.edu) and the reasons why unethical conduct might occur. Covers a broad range of psychological theories and research with the focus on applying the science for a more ethical life, campus and community.

Click here for course details.

WB11	Scott Roberts	Seats (Total: 50)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

PSYC123 **The Psychology of Getting Hired**

Credits: 1 Grading Method: Regular

Designed to introduce students to the science behind the hiring process and to prepare individuals with the academic and practical training required. Together we will explore psychological principles that influence the selection process and how individuals can apply them for the competitive edge that makes others Fear the Turtle!

WB21	Kelley Bishop	Seats (Total: 50)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

PSYC200 **Statistical Methods in Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (MATH220, STAT100, MATH111, MATH130, MATH140). Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

A basic introduction to quantitative methods used in psychological research.

WB21	Tracy Tomlinson **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 70) ONLINE

PSYC206 **Developmental Biopsychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Biological basis of behavioral development in relation to genetic, constitutional, anatomical, physiological, and environmental factors. Emphasis upon both phylogenetic and ontogenetic research findings in biological psychology.

0301	Steven Brauth **Meets June 1, 2015 - June 19, 2015** MTuWThF 10:00am - 12:40pm	Seats (Total: 25) BPS 1232

PSYC221 **Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

Click here for sample course syllabus.

WB11	Dylan Selterman **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 50) ONLINE
YS41	Dylan Selterman **Meets July 13, 2015 - July 31, 2015** MTuWThF 9:30am - 12:10pm *This section is part of the Young Scholars Program. Enrollment by permission only.*	Seats (Total: 30) BPS 1238

PSYC289E **Psychology of Evil**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP, SCIS

This section is part of The Young Scholars Program. Enrollment by permission only. Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture).

Click here for more course information. Click here for sample course syllabus.

0501	Scott Roberts	Seats (Total: 40)	
	Meets June 22, 2015 - July 10, 2015		
	MTuWThF 10:00am - 12:40pm	BPS 1236	
YS41	Scott Roberts	Seats (Total: 30)	
	Meets July 13, 2015 - July 31, 2015		
	MTuWThF 9:30am - 12:10pm	BPS 1236	
	This section is part of The Young Scholars Program. Enrollment by permission only.		

PSYC300 **Research Methods in Psychology Laboratory**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Prerequisite: PSYC200. Restriction: Must be in Psychology program. Credit only granted for: PSYC300 or PSYC309R. Formerly: PSYC309R.

A general introduction and overview to the fundamental theoretical, conceptual, and practical issues in psychological research in both the laboratory and the field.

Non-Majors can register for this course during the summer.

0101	Michelle Dugas	Seats (Total: 30)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 1:00pm - 4:20pm	EGR 2116	
	W 1:00pm - 4:20pm	EGR 2116	Lab

PSYC332 **Psychology of Human Sexuality**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

Contact department for information to register for this course.

PSYC334 **Psychology of Interpersonal Relationships**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

WB21	Ryan Curtis	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

PSYC338P **Special Topics in Study Abroad III; Positive Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

PSYC355 **Developmental Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Survey of research and theory of psychological development from conception through childhood, stressing physiological, conceptual and behavioral changes, and the social and biological context in which individuals develop.

0301	Katherine Rice	Seats (Total: 30)
	Meets June 1, 2015 - June 19, 2015	
	MTuWThF 10:00am - 12:40pm	BPS 1236

PSYC389 **Experiential Learning**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Internship in psychology-related fields.

WB11	Steven Young	Seats (Total: 20)
	Meets June 1, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

HY21	Kevin McGann	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	MW 10:00am - 12:15pm	BPS 1232
	Class time/details on ELMs	ONLINE

PSYC433 **Basic Helping Skills: Research and Practice**

Credits: 4 Grading Method: Regular

Prerequisite: PSYC300; and (PSYC434, PSYC334, PSYC353, PSYC435, PSYC436, or PSYC432). Restriction: Must be in Psychology program; and must have earned a minimum of 85 credits.

Theories and research regarding effective helping skills. Students will practice helping skills with each other and will conduct research projects evaluating their helping skills. Students should be willing to talk about personal issues in class. Because of the participatory nature of this class, attendance normally will be included in the computation of grades.

0101	Skyler Jackson	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	MWF 1:00pm - 4:00pm	BPS 1236

PSYC436 **Introduction to Clinical Psychology: From Science to Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC300.

Critical analysis of clinical psychology, with particular emphasis on current developments and trends.

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

PSYC629 **Clinical Laboratory**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Provides advanced supervised experience in the delivery and supervision of mental health interventions targeted to individuals. Supervised work with clients is required.

0101	Mary Byrne **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details.	Seats (Total: 20)
0120	Aditi Vijay **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details.	Seats (Total: 5)

PSYC632 **Behavioral and Cognitive Behavioral Intervention for Children and Adolescents**

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Formerly: PSYC789A.

Introduces students to the process of therapy with particular focus on behavioral and cognitive behavioral interventions in children and adolescents. Syllabus focuses on theory, research, client diversity, ethics and practical aspects of conducting therapy.

Click here for more course information.

PCC1	Julia Felton **Meets June 1, 2015 - August 21, 2015** Tu 6:00pm - 9:15pm *Restricted to students in MPS in Clinical Psychological Science program*	Seats (Total: 40) BPS 0283

PSYC638 **Externship in Professional Psychology**

(Perm req)

Credits: 1-3 Grading Method: Sat-Fail

Approved appointment as an extern in a mental health setting.

0101	Jack Blanchard **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details.	Seats (Total: 10)
0102	Karen O'Brien **Meets June 1, 2015 - August 21, 2015** Contact instructor or department for details.	Seats (Total: 15)
I101	Karen O'Brien **Meets June 1, 2015 - August 16, 2015** Contact instructor or department for details.	Seats (Total: 10)
I201	Karen O'Brien **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

PSYC639 **Internship in Professional Psychology**

Credits: 1 Grading Method: Sat-Fail

This seminar combines involvement with a program approved appointment a an intern in a mental setting with a supervisory review of the training experience.

Contact department for information to register for this course.

PSYC650 **Culture and Diversity in Mental Health**

Credits: 3 Grading Method: Regular

Restriction: Must be enrolled in the Clinical Psychological Science MPS program.

Review literature regarding the role of culture and diversity in mental health and how culture and diversity are integrated into research and are related to mental health and mental health service utilization. Examine principles and concepts of multicultural and cross-cultural psychology to acquire an increased understanding of diverse underrepresented groups and topics to consider when involved with research and/or clinical work with individuals having diverse backgrounds (e.g., cultures, ethnicities, genders, sexual orientations, and socioeconomic status).

Click here for more course information.

PCC1	Aditi Vijay **Meets June 1, 2015 - August 21, 2015** Th 6:00pm - 9:15pm *Restricted to students in the MPS in Clinical Psychological Science Program.*	Seats (Total: 40) BPS 0283

PSYC665 **Understanding Torture and Trauma II**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PSYC663. Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.

This is the second course in a searies of two classes focused on theory research, and psychological interventions related to the treatment of survivors of torture and trauma. Current approaches to treatment of torture survivors, as well as psychological, social/familial, spiritual, physical, community, and political implications of torture will be introduced.

PLV1	Sheetal Patel	Seats (Total: 25)
	Meets June 1, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	Restricted to students in the VTT Program.	

PSYC788 **Special Research Problems; Racial/Ethnic Bases of Behavior**

Credits: 3 Grading Method: Regular, Audit

Supervised research on problems selected from the areas of experimental, industrial, social, quantitative, or mental health psychology.

0101	Carl Lejuez	Seats (Total: 5)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

PSYC789 **Special Research Problems**

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

PSYC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

PSYC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PUAF Public Policy Summer 2015

PUAF359E **Contemporary Issues in Political Leadership and Participation; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in political leadership and participation.

Contact department for information to register for this course.

PUAF386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular

Prerequisite: Permission of PUAF-School of Public Policy. Repeatable to 12 credits if content differs.

I101	Nina Harris **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 5)
I201	Nina Harris **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 3)

PUAF610 **Quantitative Aspects of Public Policy**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Introduces statistical methods needed for evaluating and choosing among policy options. Topics include probability; decision-making under uncertainty; the organization, interpretation, and visual display of complex data; prediction and inferences about causality; hypothesis testing; and linear and multiple regression. Develops analytical skills and the ability to apply theory to complex, real-world problems.

Contact department for information to register for this course.

PUAF640 **Microeconomic and Policy Analysis**

Credits: 3

Grading Method: Regular,
Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Applies intermediate microeconomic theory to public policy issues: resource allocation by firms and consumers; the response of economic agents to changes in incentives; market allocations in competitive and non-competitive environments; and market failures and government remedies. Uses extended case studies of particular issues in such areas as the environment (acid rain), international trade (tariffs), industry regulation (cable TV), and the provision of public goods (highways).

Contact department for information to register for this course.

PUAF641 **Macroeconomics and Policy Analysis**

Credits: 3

Grading Method: Regular,
Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Studies the behavior of the economy as a whole: the level of national income, unemployment, and inflation; the vulnerability of the U.S. economy to external influences; possible federal influence over the level of economic activity; and the consequences for prices, employment and the U.S. trade deficit. Also examines possible U.S. policy responses to widespread debt crises in developing countries.

0201	William Helkie	Seats (Total: 20)	
	Meets July 13, 2015 - August 23, 2015		
	MW 6:00pm - 9:15pm	VMH 1207	
	TuTh 6:00pm - 9:15pm	VMH 1207	Discussion

PUAF650 **Moral Dimensions of Public Policy**

Credits: 3

Grading Method: Regular,
Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Explores the moral issues involved in public policy questions; the limits and usefulness of decision-making tools; problems of choosing, justifying and using criteria to judge a program's success and suitability; ethichal issues involving the welfare state and income distribution; and possible obligations beyond one's political community and generation.

Meets in Chantilly, VA.

Contact department for information to register for this course.

PUAF670 **Public Budgeting & Financial Management**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Covers how governments raise, spend, borrow, and manage public funds. Reviews federal,state, and local budget processes and introduces analytical techniques including basic spreadsheet skills, evaluating alternative revenue sources, revenue and expenditure forecasting, cost allocation, capital budgeting, cost-benefit analysis, discounting and present value, bond analysis, cash management and intergovernmental finance.

Contact department for information to register for this course.

PUAF671 **Public Sector Finance**

Credits: 3

Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

The goal of this course is to provide a useful overview of basic public sector financial management principles in a simulated managerial situation to midcareer students currently working in government and nonprofit organizations.

Contact department for information to register for this course.

PUAF688W **Topics in Public Policy; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3

Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF688X **Topics in Public Policy; Performance Management**

Credits: 1-3

Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF689X **Public Policy Topics; Performance Management**

Credits: 3

Grading Method: Regular, Audit

Special Topics in Public Policy.

Contact department for information to register for this course.

PUAF692 **Leadership Principles and Practices**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

This course will introduce leadership principles and practices to students by focussing on the theory of leadership, different leadership themes and skills, and discussions with practitioners.

Contact department for information to register for this course.

PUAF698 **Selected Topics in Public Affairs**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698A **Selected Topics in Public Affairs; Smart Growth**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698C **Selected Topics in Public Affairs; Intelligence and Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698F **Selected Topics in Public Affairs; Jobs, Justice and the Environment**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698N **Selected Topics in Public Affairs; Intelligence Policy and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Examines the role of intelligence as an instrument of state-with heavy emphasis on the American context. Reviews the development of intelligence defined to cover the collection on information, covert action and counter intelligence. Foreign intelligence contexts will be introduced primarily to highlight the unique aspects of the American intelligence environment. Describes the reason civil and military leaders create and use intelligence services, principles of organization and practice commonly used in intelligence, and the relationship between intelligence and policy. Also offered as PUAF388N.

Contact department for information to register for this course.

PUAF698P **Selected Topics in Public Affairs; Information Technology and Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698T **Selected Topics in Public Affairs; Managing Across Sectors**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF698X **Selected Topics in Public Affairs; Performance Management and Leading for Results**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699O **Selected Topics Public Policy; 21st Century Policy Challenges**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699R **Selected Topics Public Policy; Critical Thinking and Analytical Methodology**

Credits: 1-3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699T **Selected Topics Public Policy; Terrorism Analysis: Tools & Practices**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699V **Selected Topics Public Policy; Homeland Security Policy**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699W **Selected Topics Public Policy; Motivations and Intents of Terrorism**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF699X **Selected Topics Public Policy; Organizational Behavior**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Meets in Chantilly, VA.

Contact department for information to register for this course.

PUAF711 **Public Management and Leadership**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Reviews the managerial, political, and ethical problems faced by public sector managers and leaders, including setting an organization's goals, obtaining and protecting a program mandate, designing a service delivery system and implementing a new program.

0101	Elizabeth Duke	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 5:30pm - 8:45pm	VMH 1203

PUAF712 **Analysis of Fiscal Conditions**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

The financial operations of U.S. government at various levels, with emphasis on local governments. Practical problems in revenue management, including revenue forecasting and cash flow analysis; debt management operations, such as borrowing; intergovernmental financial operations, such as grants management and reporting requirements, and personnel management issues that have a direct bearing on governmental finances.

Contact department for information to register for this course.

PUAF724 **Problems of Global Security**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy. Formerly: PUAF698W.

Explores the international security implications of globalization, presenting evidence indicating that altered circumstances will eventually induce a major redesign of prevailing security arrangements. Includes three segments: 1) a review of the principal problems that have been the focus of established security policy and would be the context for any major adjustment of policy; 2) an assessment of relationships with the major countries where traditional problems are most acutely present; and 3) a review of the organizing principles that can be expected to emerge in the new situation.

Contact department for information to register for this course.

PUAF740 **Public Policy and the Environment**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Surveys of major federal environmental legislation; the development and implementation of laws, and alternative ways of thinking about the relationship between humans and the environment.

Contact department for information to register for this course.

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

Contact department for information to register for this course.

PUAF753 **Advanced Negotiations**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: PUAF752. Credit only granted for: PUAF698C or PUAF753. Formerly: PUAF698C.

Deepens the student's negotiation and leadership skills for managing differences between individuals and groups. Cover conflict, escalation, dealing with intractable conflicts, sustaining agreements in inter-group conflicts, and the effects of trauma on negotiations.

Contact department for information to register for this course.

PUAF770 **Seminar in Housing and Community Development Strategies**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy.

Detailed examination of community and social policy issues relating to the construction and management of affordable housing.

Contact department for information to register for this course.

PUAF772 **Housing Finance**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.

Fundamentals of housing investment analysis. Structuring feasibility analyses, appraisals, pro forma statements, return on investment, leverage analysis, underwriting ratios, taxation and syndication.

Contact department for information to register for this course.

PUAF774 **Asset Management**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be enrolled in the executive training program sponsored by the Department of Housing and Urban Development.

Asset manager's role at each stage of the property's life cycle and property analysis, including cash flow debt and staffing. Topics include capital needs; major building systems, costs and useful lives; marketing and outreach; and anti-crime strategies. Field trips to problem properties to perform cost/benefit analysis, diagnose potential cures, and prepare action plans.

Contact department for information to register for this course.

PUAF790 **Project Course**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

Contact department for information to register for this course.

PUAF798 **Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798A **Readings in Public Policy; Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Restricted to PUAF majors or permission of instructor.

Contact department for information to register for this course.

PUAF798B **Readings in Public Policy; Readings in Public Policy**

Credits: 1-3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Restricted to PUAF majors or permission of instructor.

Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

(Perm req)

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

PUAF899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

RDEV Real Estate Development Summer 2015

RDEV689A **Current Topics in Real Estate Development; Corporate Real Estate Management from A Global Perspective**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: Permission of department and completion of RDEV630.

0101	Elizabeth Casqueiro	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	MTh 6:30pm - 10:00pm	ARC 1127

RDEV689N **Current Topics in Real Estate Development; Construction Methods and Materials: Introduction**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Prerequisite: permission of department.

0201	Robert McClennan	Seats (Total: 15)
	Meets July 13, 2015 - August 23, 2015	
	MTh 6:30pm - 9:45pm	ARC 1103

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

Permission of the department required to register.

0101	Instructor: TBA	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

RELS Religious Studies Summer 2015

RELS269G **Special Topics in Study Abroad II; From Asoka to Gandhi: Buddhism and Hinduism in Contemporary Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RELS346 **History of Religion in America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST255, HIST211, HIST156, HIST254, HIST213, HIST157, or HIST210; or permission of instructor. Also offered as: HIST306. Credit only granted for: HIST306 or RELS346.

A history of religion, religious movements, and churches in America from the early Colonial period to the present, with special attention to the relation between church and society.

WB31	Miles Bradbury	Seats (Total: 40)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

RELS369R **Special Topics in Study Abroad III; Christianity and the Roman Empire (100-425CE)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

RUSS Russian Summer 2015

RUSS499 **Independent Study in Russian**

(Perm req)

Credits: 1-3 Grading Method: Regular

Independent study under faculty supervision.

0101	Cynthia Martin	Seats (Total: 5)
	Meets June 1, 2015 - August 23, 2015	
	Contact instructor or department for details.	

SLLC School of Languages, Literatures and Cultures Summer 2015

SLLC169B **Special Topics in Study Abroad I; Elementary Basque I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169C **Special Topics in Study Abroad I; Elementary Basque II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169D **Special Topics in Study Abroad I; Great Czech Writers**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC169L **Special Topics in Study Abroad I; Basque Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC269C **Special Topics in Study Abroad II; Basque Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC299A **Special Topics in World Cultures; Exploring Confucius' China**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC299R **Special Topics in World Cultures; Elementary Italian I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Topic to be announced when course is offered.

Contact department for information to register for this course.

SLLC368B **Special Topics in Film Studies I; Forbidden Films: Global Perspectives on Cinema Censorship**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

Also offered as FILM329B. Credit will only be granted for SLLC368B or FILM 329B. We will screen some of the most important films censored in different nations and cultures throughout the history of cinema. These films, censored, challenged, or banned on political, social, sexual, religious grounds, and for violent contents, will provide fascinating material to consider the relationship between culture and politics, morality and ideology. Films may come from the U.S, the Soviet Union, Britain, Italy, Canada, China, India, Japan, Thailand, and Germany.

WB11	Jason Kuo	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

SLLC369A **Special Topics in Study Abroad III; Alternative Culture, Literature, Music and Lifestyles**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SLLC369C **Special Topics in Study Abroad III; Czech Film**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY Sociology Summer 2015

SOCY100 **Introduction to Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

WB11	Jonathan Cox	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE
WB61	Lester Andrist	Seats (Total: 20)
	Meets August 3, 2015 - August 21, 2015	
	Class time/details on ELMs	ONLINE
	To register for this course after July 17, 2015, e-mail summer@umd.edu.	

SOCY105 **Introduction to Contemporary Social Problems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

WB21	Kendra Barber **Meets July 13, 2015 - August 23, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE	
WB31	Daniel Swann **Meets June 1, 2015 - June 19, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE	

SOCY201 **Introductory Statistics for Sociology**

Credits: 4 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: SOCY100 and MATH111; or students who have taken courses with comparable content may contact the department. Restriction: Must not have completed STAT400, BMGT231, or ENEE324. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Elementary descriptive and inferential statistics. Construction and percentaging of bivariate contingency tables; frequency distributions and graphic presentations; measures of central tendency and dispersion; parametric and nonparametric measures of association and correlation; regression; probability; hypothesis testing; the normal, binomial and chi-square distributions; point and interval estimates.

HY21	Alan Neustadtl **Meets July 13, 2015 - August 23, 2015** MWF 9:30am - 10:50am MW 12:00pm - 1:50pm Class time/details on ELMs	Seats (Total: 20) ASY 3207 LEF 0234 ONLINE	 Lab Discussion

SOCY203 **Sociological Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SOCY100.

Development of the science of sociology; historical backgrounds; recent theories of society. Required of all sociology majors.

Click here for more course information.

0101	Anya Galli	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MTuWThF 9:30am - 10:50am	ASY 3203

SOCY230 **Sociological Social Psychology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

WB21	Jenelle Clark	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

SOCY325 **The Sociology of Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D

Prerequisite: 3 credits in SOCY courses. Also offered as: WMST325. Credit only granted for: SOCY325 or WMST325.

Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

WB41	Crosby Hipes	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	Class time/details on ELMs	ONLINE

SOCY380 **Honors Independent Reading in Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department. Formerly: SOCY378.

This course permits sociology honor students to undertake a program or reading on a particular problem in sociology or a subfield therein. The reading will be done under the supervision of a member of the sociology faculty. Required of sociology honor students.

Contact department for information to register for this course.

SOCY381 **Honors Independent Research in Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: SOCY380. Formerly: SOCY388.

This course permits sociology students to define a particular problem in sociology or a subfield therein and to develop a research plan for use as a thesis topic. The work will be done under the supervision of a member of the sociology faculty.

Contact department for information to register for this course.

SOCY383 **Honors Thesis Research**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: SOCY381. Formerly: SOCY389.

Student research under the direction of a member of the sociology faculty, culminating in the presentation and defense of a thesis reporting the research.

Contact department for information to register for this course.

SOCY386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Permission of BSOS-Sociology department; and junior standing or higher.

Contact department for information to register for this course.

SOCY398D **Special Topics in Sociology; Power and Influence in Organizations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to both sociology majors and non-majors.

Topics include: the importance of power, acquiring power, networks and s ocial structure, influence, and application of these concepts in the wor kplace.

WB11	Marek Posard	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

SOCY399 **Independent Study in Sociology**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

Contact department for information to register for this course.

SOCY441 **Social Stratification and Inequality**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.

The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

WB51	John Pease	Seats (Total: 20)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	To register for this course after June 5, 2015, e-mail summer@umd.edu.	

SOCY458T **Special Topics in Study Abroad IV; Human Trafficking in a Global Context**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SOCY467 **Sociology of Education**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department.

Sociological analysis of educational institutions and their relation to society: goals and functions, the mechanisms of social control, and the impacts of stratification and social change. Study of the school as a formal organization, and the roles and subcultures of teachers and students.

HY31	Linda Moghadam	Seats (Total: 30)
	Meets June 1, 2015 - June 19, 2015	
	MWTh 6:00pm - 9:30pm	ASY 3211
	Class time/details on ELMs	ONLINE

SOCY699 **Special Social Problems**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

SOCY799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

SOCY898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

SOCY899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SPAN Spanish Summer 2015

SPAN103 **Intensive Elementary Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	D'Juan Lyons	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	MTuWTh 9:30am - 11:45am	KEY 0120

0102	Jose Contreras	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	TuWTh 6:00pm - 9:00pm	JMZ 3205

SPAN169W **Special Topics in Study Abroad I; Introduction to Spanish Lanuage I**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Z **Special Topics in Study Abroad I; Introduction to Spanish Lanuage II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Norman Gonzalez **Meets June 1, 2015 - July 12, 2015** MTuWTh 9:30am - 11:45am	Seats (Total: 25) JMZ 2122
0102	Kayla Watson **Meets June 1, 2015 - July 12, 2015** TuWTh 6:00pm - 9:00pm	Seats (Total: 25) JMZ 1117
0201	Carla Onate **Meets July 13, 2015 - August 23, 2015** MTuWTh 9:30am - 11:45am	Seats (Total: 25) JMZ 2120
0202	Evelyn Canabal-Torres **Meets July 13, 2015 - August 23, 2015** TuWTh 6:00pm - 9:00pm	Seats (Total: 25) JMZ 2117

SPAN204 **Spanish Grammar Review**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

Contact department for information to register for this course.

SPAN207 **Reading and Writing in Spanish**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.

Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Melissa Gonzalez-Contreras **Meets June 1, 2015 - July 12, 2015** MW 6:00pm - 9:20pm	Seats (Total: 25) JMZ 3203

SPAN269I **Special Topics in Study Abroad II; Intensive Intermediate Spanish**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN269P **Special Topics in Study Abroad II; Spanish Oral Techniques**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPAN207.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

HY01	Chila Hidalgo	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuTh 6:00pm - 9:20pm	JMZ 3203
	Class time/details on ELMs	ONLINE

SPAN302 **Advanced Grammar and Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

Contact department for information to register for this course.

SPAN303 **Approaches to Cultural Materials in the Hispanic World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHU

Prerequisite: SPAN207; or permission of instructor.

Development of proficiency in critical thought through the reading, viewing, and analytical discussion of major genres and styles of cultural materials selected from Spanish-speaking world. Taught in Spanish.

0101	Mehl Penrose **Meets June 1, 2015 - July 12, 2015** MW 9:30am - 12:50pm	Seats (Total: 20) JMZ 2123
0201	Sebastian Bartis **Meets July 13, 2015 - August 23, 2015** TuTh 6:00pm - 9:20pm	Seats (Total: 20) JMZ 2125

SPAN305 **Spanish Grammar and Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Study of Spanish Grammar and writing in various genres. Taught in Spanish.

Contact department for information to register for this course.

SPAN311 **Advanced Conversation I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN204 or SPAN211; or permission of ARHU-School of Languages, Literatures, and Cultures department. Restriction: Must not be a native/fluent speaker of Spanish.

Further development of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation and increase vocabulary. Individual and/or group oral presentations.

Contact department for information to register for this course.

SPAN312 **Advanced Conversation II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN311. Restriction: Must not be a native/fluent speaker of Spanish.

Continued mastery of listening and speaking skills in Spanish. Opportunity to develop oral fluency, improve pronunciation, and increase vocabulary. Emphasis on colloquial and technical language as well as development of linguistic accuracy. Individual and/or group oral presentation.

Contact department for information to register for this course.

SPAN315 **Commercial Spanish I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Business Spanish terminology, vocabulary and practices. Emphasis on everyday spoken and written Spanish. Readings and discussions of Spanish commercial topics. May include exposure to Spanish commercial topics. May include exposure to Spanish business environments.

0101	Matthew Lewis	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuWTh 9:30am - 11:45am	WDS 1131

SPAN333 **Spanish Culture, Civilization and Literature III: Modern Times**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301 and SPAN303; or permission of instructor. Restriction: Must not have completed SPAN322 or SPAN326. Credit only granted for: SPAN322, SPAN326, or SPAN333.

An overview of cultural and literary production of Spain from the late 17th century through the present day, exploring the production of literary texts in their socio-historical, political, religious and cultural contexts and development. Taught in Spanish.

Contact department for information to register for this course.

SPAN369C **Special Topics in Study Abroad III; Spanish Culture and History**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation and Oral Skills**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369P **Special Topics in Study Abroad III; Spanish Oral Techniques**

Credits: 2

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN399 **Independent Study in Spanish**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN408J **Great Themes of the Hispanic Literatures; Contemporary Mexican Literature**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408X **Great Themes of the Hispanic Literatures; Spain: Salamanca and Barcelona**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN408Y **Great Themes of the Hispanic Literatures; Contemporary Spanish Short Story**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Major themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409B **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN409L **Great Themes of the Hispanic Literatures; 20th Century and Contemporary Latin American Short Story**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Pervading themes in the literature of Spain or Spanish-America. Each theme will be announced when the course is offered.

Contact department for information to register for this course.

SPAN448C **Special Topics in Latin American Civilization; Filth and Literature in the Hispanic Caribbean: A Contemporary Introduction**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Intensive independent study of a selected topic related to Latin American civilization.

0401	Juan Carlos Quintero-Herencia	Seats (Total: 20)
	Meets July 13, 2015 - July 31, 2015	
	MTuWTh 6:00pm - 9:20pm	JMZ 2206

SPAN464 **Contemporary Spanish Poetry**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

Spanish poetry from the generation of 1927 to the present.

Contact department for information to register for this course.

SPAN474 **Central American Literatures, Cultures, and Histories**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN333, SPAN361, SPAN331, SPAN332, SPAN362, or SPAN363.

An overview of Central American history and cultural production, focusing primarily but not exclusively on literary texts.

Contact department for information to register for this course.

SPAN699 **Independent Study in Spanish**

Credits: 1-3 Grading Method: Regular, Audit

This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.

Contact department for information to register for this course.

SPAN799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

STAT Statistics and Probability Summer 2015

STAT100 **Elementary Statistics and Probability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: MS General Education: FSAR, FSMA

Prerequisite: MATH112, MATH110, MATH113, or MATH115; or permission of CMNS-Mathematics department; or must have math eligibility of STAT100 or higher and math eligibility is based on the Math Placement Exam or the successful completion of Math 003 with appropriate eligibility. Restriction: Must not have completed MATH111; or must not have completed any MATH or STAT course with a prerequisite of MATH141. Credit only granted for: STAT100 or MATH111.

Simplest tests of statistical hypotheses; applications to before-and-after and matched pair studies. Events, probability, combinations, independence. Binomial probabilities, confidence limits. Random variables, expected values, median, variance. Tests based on ranks. Law of large numbers, normal approximation. Estimates of mean and variance.

0101	James Murphy **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 9:20am	Seats (Total: 32) MTH 0105
0201	Bo Tian **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 29) MTH B0425

STAT400 **Applied Probability and Statistics I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in MATH131; or MATH141; or students who have taken courses with comparable content may contact the department. Credit only granted for: BMGT231, ENEE324, or STAT400. Additional information: Not acceptable toward graduate degrees in MATH/STAT/AMSC.

Random variables, standard distributions, moments, law of large numbers and central limit theorem. Sampling methods, estimation of parameters, testing of hypotheses.

0101	Susan Chimiak **Meets June 1, 2015 - July 12, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 32) MTH 0307
0201	Justin Wyss-Gallifent **Meets July 13, 2015 - August 23, 2015** MTuWThF 9:30am - 10:50am	Seats (Total: 30) MTH B0421

STAT430 **Introduction to Statistical Computing with SAS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in STAT400.

Descriptive and inferential statistics. SAS software: numerical and graphical data summaries; merging, sorting and splitting data sets. Least squares, regression, graphics and informal diagnostics, interpreting results. Categorical data, lifetime data, time series. Applications to engineering, life science, business and social science.

0201	Alexey Stepanov	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	MTuWThF 9:30am - 10:50am	EGR 3114

STAT498A **Selected Topics in Statistics**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Topics of special interest to advanced undergraduate students will be offered occasionally under the general guidance of the MATH/STAT major committee. Students register for reading in statistics under this number.

Contact department for information to register for this course.

STAT689 **Research Interactions in Statistics**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

0101	Instructor: TBA	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0137	Yuan Liao	Seats (Total: 10)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	

STAT698A **Selected Topics in Probability**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

STAT798A **Selected Topics in Statistics**

(Perm req)

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

STAT799 **Master's Thesis Research**

(Perm req) Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

STAT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

STAT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.

SUMM Summer Summer 2015

SUMM004 **Multi-Track Diplomacy: Tranforming Violent Conflict Workshop**

Credits: 0 Grading Method:

Additional workshop times - Friday, July 10th 6-9:00p.m.; Saturday, July 11th and Sunday, July 12th from 9:00 a.m.- 1:00 p.m. and 2:00 - 6:00p.m. This course aims to develop the concepts and professional skills needed to facilitate the transformation of societal conflict. Join us in an experiment during the weekend workshop using multi-track diplomacy to search for common ground in ongoing conflict in the Middle East. The planned simulation will be facilitated by Prof. John Davies who has over 30 years experience in using multi-track diplomacy in many countries suffering from war, terrorism, and instability around the world. No pre-requisites.

0501	John Davies	Seats (Total: 30)	
	Meets June 22, 2015 - July 12, 2015		
	TuTh 6:00pm - 9:20pm	TYD 1101	
	To register for this course after June 5, 2015, e-mail summer@umd.edu.		

SUMM010 **Non-Credit Workshop: Studio ArtIron Casting**

Credits: 0 Grading Method:

Also offered as ARTT330. This is a non-credit Workshop. Students must pay a $40 materials fee.

0301	Steven Jones	Seats (Total: 7)	
	Meets June 1, 2015 - June 19, 2015		
	MTuWTh 2:00pm - 8:15pm	ASY 1310	Lab

SUMM015 **Field Methods in Archaeology**

Credits: 0 Grading Method:

Also offered as ANTH496 and ANTH696.

Click here for more course information.

SAIP	Stephen Brighton **Meets May 30, 2015 - July 11, 2015** Contact instructor or department for details.	Seats (Total: 0)
XI01	Mark Leone **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 24) Location: TBA
XI03	Paul Shackel **Meets June 1, 2015 - July 12, 2015** MTuWThF 8:00am - 4:00pm	Seats (Total: 6) Location: TBA

SUMM028A **Special Topics in Geography; Programming in a GIS Environment**

Credits: 0 Grading Method:

XL11	Ruibo Han **Meets June 12, 2015 - June 14, 2015** FSaSu 9:00am - 2:00pm FSaSu 2:00pm - 5:00pm *Part of the Summer Courses on Advances in GIS.*	Seats (Total: 25) LEF 1124 LEF 1138

SUMM028B **Special Topics in Geography; Advanced GIS**

Credits: 0 Grading Method:

XL11	Ruibo Han **Meets June 19, 2015 - June 21, 2015** FSaSu 9:00am - 2:00pm FSaSu 2:00pm - 5:00pm *Part of the Summer Courses on Advances in GIS.*	Seats (Total: 25) LEF 1124 LEF 1138

SUMM028C **Special Topics in Geography; Big Data Analysis in a GIS Environment**

Credits: 0 Grading Method:

XL11	Ruibo Han	Seats (Total: 25)
	Meets June 26, 2015 - June 28, 2015	
	FSaSu 9:00am - 2:00pm	LEF 1124
	FSaSu 2:00pm - 5:00pm	LEF 1138
	Part of the Summer Courses on Advances in GIS.	

SUMM028D **Special Topics in Geography; Open Source GIS**

Credits: 0 Grading Method:

XL11	Ruibo Han	Seats (Total: 25)
	Meets July 10, 2015 - July 12, 2015	
	FSaSu 9:00am - 2:00pm	LEF 1124
	FSaSu 2:00pm - 5:00pm	LEF 1138
	Part of the Summer Courses on Advances in GIS.	

SUMM028E **Special Topics in Geography; GIS on the Web and in the Cloud**

Credits: 0 Grading Method:

XL21	Ruibo Han	Seats (Total: 25)
	Meets July 31, 2015 - August 2, 2015	
	FSaSu 9:00am - 2:00pm	LEF 1124
	FSaSu 2:00pm - 5:00pm	LEF 1138
	Part of the Summer Courses on Advances in GIS.	

SUMM028F **Special Topics in Geography; Mobile GIS**

Credits: 0 Grading Method:

XL21	Ruibo Han	Seats (Total: 25)
	Meets August 7, 2015 - August 9, 2015	
	FSaSu 9:00am - 2:00pm	LEF 1124
	FSaSu 2:00pm - 5:00pm	LEF 1138
	Part of the Summer Courses on Advances in GIS.	

SUMM071 **Aeorspace Engineering Profession**

Credits: 0 Grading Method:

Restricted to new transfer students admitted to the Clark School of Engineering. Prerequisite: permission of department.

0201	Aileen Hentz, Chynna Obana **Meets July 13, 2015 - August 23, 2015** F 9:00am - 12:00pm Contact instructor or department for details.	Seats (Total: 5) EGR 2116

SURV Survey Methodology Summer 2015

SURV623 **Data Collection Methods in Survey Research**

Credits: 3 Grading Method: Regular, Audit

Review of alternative data collection methods used in surveys, concentrating on the impact these techniques have on the quality of survey data, including measurement error properties, levels of nonresponse and coverage error. Reviews of the literature on major mode comparisons (face-to-face interviewing, telephone survey and self-administered questionnaires), and alternative collection methods (diaries, administrative records, direct observation, etc.). The statistical and social science literatures on interviewer effects and nonresponse, and current advances in computer-assisted telephone interviewing (CATI), computer-assisted personal interviewing (CAPI), and other methods such as touchtone data entry (TDE) and voice recognition (VRE).

0101	Frederick Conrad **Meets June 1, 2015 - July 24, 2015** MW 3:00pm - 5:30pm	Seats (Total: 20) LEF 1208
SV01	Frederick Conrad **Meets June 1, 2015 - July 24, 2015** MW 3:00pm - 5:30pm *Meets at Census Bureau in Suitland, MD. Students in this section are using video stream at this location only.*	Seats (Total: 10) Location: TBA

SURV625 **Applied Sampling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Must have completed a course in statistics approved by department.

Practical aspects of sample design. Topics include: probability sampling (including simple random, systematic, stratified, clustered, multistage and two-phase sampling methods), sampling with probabilities proportional to size, area sampling, telephone sampling, ratio estimation, sampling error estimation, frame problems, nonresponse, and cost factors.

0101	James Wagner **Meets June 1, 2015 - July 24, 2015** TuTh 12:30pm - 3:00pm	Seats (Total: 20) LEF 1208
SV01	James Wagner **Meets June 1, 2015 - July 24, 2015** TuTh 12:30pm - 3:00pm *Meets at Census Bureau in Suitland, MD. Students in this section are using video stream at this location only.*	Seats (Total: 10) Location: TBA

SURV630 **Questionnaire Design and Evaluation**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: SURV430 and SURV630.

The stages of questionnaire design; developmental interviewing, question writing, question evaluation, pretesting, and questionnaire ordering and formatting. Reviews of the literature on questionnaire construction, the experimental literature on question effects, and the psychological literature on information processing. Examination of the diverse challenges posed by self versus proxy reporting and special attention is paid to the relationship between mode of administration and questionnaire design.

0101	Jessica Broome **Meets June 1, 2015 - July 24, 2015** TuTh 3:00pm - 5:30pm	Seats (Total: 20) LEF 1218

SURV699 **Special Topics in Survey Methodology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

0101	Frederick Conrad **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 10)

SURV699K **Special Topics in Survey Methodology; Multi-Level Analysis of Survey Data**

Credits: 3 Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

0101	Robert Croninger	Seats (Total: 12)
	Meets June 29, 2015 - July 17, 2015	
	MTuWThF 9:30am - 12:15pm	LEF 2208

SURV899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

THET Theatre Summer 2015

THET110 **Introduction to the Theatre**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Introduction to the people of the theatre: actors, directors, designers and backstage personnel. The core and characteristics of a play script; theatrical forms and styles; and theatre history.

0101	Emily Warheit	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	TuWTh 1:30pm - 3:45pm	PAC 1815
0201	Allan Davis	Seats (Total: 13)
	Meets July 13, 2015 - August 23, 2015	
	MTuW 10:00am - 12:15pm	PAC 1815
XA21	Allan Davis	Seats (Total: 0)
	Meets July 13, 2015 - August 23, 2015	
	MTuW 10:00am - 12:15pm	PAC 1815

THET269B **Special Topics in Study Abroad II; The Meaning of Style**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

THET285 **The Art of Communication and Presentation**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

0101	Sara Thompson **Meets June 1, 2015 - July 12, 2015** MTuW 12:30pm - 2:45pm	Seats (Total: 12) PAC 1809
0201	Sara Thompson **Meets July 13, 2015 - August 23, 2015** MTuW 12:30pm - 2:45pm	Seats (Total: 12) PAC 1809

THET286 Experiential Learning I

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: THET222, THET223, and THET116. And THET114; or TDPS201. And permission of ARHU-School of Theatre, Dance & Performance Studies department.

Introductory internship in theatre. Constructed to help students in their sophomore year gain practical experience in a supportive work environment in the theatre. Student must research and propose internship to a Faculty Advisor and Internship Venue.

I101	Susan Miller **Meets June 1, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 5)

THET328C Special Topics in Intermediate Theatre and Performance; On Camera Acting Techniques

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.

0201	Brenna McDonough **Meets July 13, 2015 - August 23, 2015** MTuW 2:00pm - 4:14pm	Seats (Total: 12) PAC 3736

THET328F Special Topics in Intermediate Theatre and Performance; The Study of Filmed Plays

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics covered include: Intercultural Theatre, Performance Art, Puppetry, Solo Performance, or Theatrical Design.

This course focuses on cinematic adaptations of plays by comparing and contrasting the stage and screen versions in concept, writing, and production. Students will gain insight and appreciation for both art forms through structural analysis, class discussions, and written critiques. Students are required to attend public performances.

WB21	Jennifer Barclay Newsham	Seats (Total: 20)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

THET499 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

An independent study course in which each student completes an assigned major theatre project under close faculty supervision. Projects may culminate with term papers, scenic or costume designs, or a stage production.

Contact department for information to register for this course.

THET789 **Master's Practicum**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Participation in creative and artistic activities with professional level theatrical organizations.

Contact department for information to register for this course.

THET799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular

Contact department for information to register for this course.

THET899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Audit

Contact department for information to register for this course.

UMEI Maryland English Institute Summer 2015

UMEI011 **Integrated English: Elementary**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language course for students at the elementary level.

UM10	Eric Walker	Seats (Total: 16)
	Meets June 8, 2015 - July 24, 2015	
	MTuWTh 9:00am - 12:30pm	EDU 3236

UMEI012 **Integrated English: Intermediate**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language course for students at the intermediate level.

UM10	Melanie Baker	Seats (Total: 16)
	Meets June 8, 2015 - July 24, 2015	
	MTuWTh 9:00am - 12:30pm	COL 3109

UMEI013 **Integrated English: Advanced**

Credits: 5 Grading Method: Sat-Fail

Prerequisite: Placement exam; and permission of EDUC-Dean-Maryland English Institute department.

English as a Second Language for students at the advanced level.

UM10	Daniela Wagner-Loera	Seats (Total: 16)
	Meets June 8, 2015 - July 24, 2015	
	MTuWTh 9:00am - 12:30pm	COL 3110

UMEI028A **Special Topics in English as a Second Language; Preparation of Academic Study in an American University**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM11	Jonathan Malone	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	TuTh 1:30pm - 3:30pm	ASY 3211

UMEI028C **Special Topics in English as a Second Language; Focus on Conversation**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Heather Mehrtens	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	W 1:30pm - 3:30pm F 9:00am - 11:00am	TWS 0207 TWS 0201

UMEI028G **Special Topics in English as a Second Language; Focus on Grammar**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Heather Mehrtens	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	M 1:30pm - 3:30pm F 11:00am - 1:00pm	TWS 1105 TWS 0201

UMEI028I **Special Topics in English as a Second Language; IELTS Exam Preparation**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Raymond Smith	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	MW 1:30pm - 3:30pm	EDU 3233

UMEI028T **Special Topics in English as a Second Language; iBT TOEFL Strategies**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Daniela Wagner-Loera	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	MW 1:30pm - 3:30pm	COL 3109

UMEI028V **Special Topics in English as a Second Language; Vocabulary**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012 or UMEI013; but may be taken independently with special permission.

UM10	Heather Mehrtens	Seats (Total: 25)
	Meets June 8, 2015 - July 24, 2015	
	Tu 1:30pm - 3:30pm	ASY 3203
	Th 1:30pm - 3:30pm	ASY 3203

UNIV University Courses Summer 2015

UNIV099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Permission of Internship Coordinator required. Obtain signature and more information at the Career Center, 3100 Hornbake Library. Special fee required for this course.

CP20	Caitlin Rizzo, Erica Ely **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 84)
CP21	Caitlin Rizzo, Erica Ely **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 90)
CP22	Erin Rooney-Eckel **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 20)

UNIV100 **The Student in the University**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCP108O or UNIV100. Formerly: EDCP108O.

Introduces students to University life. In a small classroom setting, students will explore how to successfully bridge the gap between high school and college. Study skills, career decision-making, and student development processes will be explored.

0501	Georgette Hardy DeJesus **Meets June 22, 2015 - July 31, 2015** MW 2:00pm - 3:45pm	Seats (Total: 10) Location: TBA

UNIV102 **STEP: Confidence Building and Study Skills in Mathematics**

Credits: 2 Grading Method: Regular, Pass-Fail

Restriction: Must be in STEP Individual Admits program.

A mathematics preparatory class designed to facilitate a student's transition toward fundamental studies mathematics, including study skills and strategies for success.

Contact department for information to register for this course.

UNIV103 **STEP: Making a Successful Transition to University Life**

Credits: 1 Grading Method: Regular, Pass-Fail

Restriction: Must be in STEP Individual Admits program.

A course designed to promote student awareness of university wide campu resources, and to assist students in their transition from high school to college.

Contact department for information to register for this course.

UNIV269A **Connecting Across Cultures**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV269C **Connecting Across Cultures; China: Culture, Language and Internship Program**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

An examination of culture to guide study abroad students through the stages of cross cultural adjustment and to promote cultural competency by providing the motivation, knowledge and skills necessary to work with diverse individuals and teams.

Contact department for information to register for this course.

UNIV318B **Special Topics in Study Abroad; Indonesia: Civil Society, Democracy and Sustainable Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Topics and assignments will vary by travel site, as indicated by subtitles such as Italian Art, Chinese History, and French Theater.

Contact department for information to register for this course.

UNIV326 **Beyond the Classroom Seminar II**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: UNIV325. Restriction: Must be in the Beyond the Classroom (BTC) living and learning program.

Seminar for students in internships and service-learning experiences as context for applying communication skills and knowledge of civic engagement leadership skills first introduced in UNIV325. Must be taken concurrently with experiential learning practicum.

WB21	James Riker	Seats (Total: 15)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

UNIV339 **McNair Research Methods and Writing**

(Perm req)

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

As an introduction to qualitative and quantitatvie research methods, students will be taught how to: (1) create, analyze, and disseminate knowledge conceptually and empirically; (2) write a research document; (3) use the IRB process; (4) develop research posters; (5) read and evaluate research studies; (6) read and understand statistics; (7) conduct interviews, develop surveys, and design experiments; and (8) communicate effectively to public audiences.

CP01	Rhea Nedd	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	MF 9:00am - 5:00pm	KEY 0102

UNIV389J **Special Topics in Undergraduate Studies**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Courses will focus on interdisciplinary topics and will be planned in cooperation with Undergraduate Studies.

0101	Joan Burton	Seats (Total: 25)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
0201	Joan Burton	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Contact instructor or department for details.	

UNIV399 **Experiential Learning in Undergraduate Studies**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

Contact department for information to register for this course.

UNIV399M **Experiential Learning in Undergraduate Studies; McNair Program- Research Methods**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Experiential learning offered in conjunction with certain designated Office of Undergraduate Studies programs.

0101	Instructor: TBA	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	M 9:00am - 5:00pm	WDS 1131

URSP Urban Studies and Planning Summer 2015

URSP399I **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP603 **Land Use Planning: Concepts and Techniques**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: URSP603, URBS680, or URBS603. Formerly: URBS603.

Basic techniques for regulating the use and appearance of land. Legal framework, social implications, planning approaches, communicating land use information.

0101	Khalid Afzal	Seats (Total: 15)
	Meets June 1, 2015 - July 12, 2015	
	MW 7:00pm - 10:15pm	ARC 1121

URSP688J **Recent Developments in Urban Studies; Principles of Urban Design**

Credits: 3

Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0201	Christian Calleri	Seats (Total: 15)	
	Meets July 13, 2015 - August 23, 2015		
	TuTh 7:00pm - 10:20pm	ARC 1105	

URSP688L **Recent Developments in Urban Studies; Planning Technology**

Credits: 3

Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

0101	Chao Liu	Seats (Total: 20)	
	Meets June 1, 2015 - July 12, 2015		
	TuTh 4:00pm - 7:00pm	ARC 1115	
	Class time/details on ELMs	ONLINE	Discussion

URSP705 **Summer Community Planning Studio I**

Credits: 4

Grading Method: Regular, Audit

Restriction: Permission of instructor.

Intensive community planning group field work, typically five days a week for four weeks. Often outside the USA. Application of class work to actual planning and policy challenges. Students seeking to meet the URSP studio requirement must also take URSP 706.

0101	James Cohen	Seats (Total: 10)	
	Meets June 1, 2015 - July 12, 2015		
	MW 3:00pm - 6:30pm	ARC 1119	
	Class time/details on ELMs	ONLINE	Discussion

URSP706 **Summer Community Planning Studio II**

Credits: 2

Grading Method: Regular, Audit

Restriction: Permission of instructor.

Intensive analysis and report-preparation of work completed in URSP 705 Held in College Park. Students seeking to meet the URSP studio requirement must also take URSP 705.

0201	James Cohen	Seats (Total: 10)
	Meets July 13, 2015 - August 23, 2015	
	MW 3:00pm - 6:30pm	Location: TBA

URSP708 **Community Planning Studio**

Credits: 4 Grading Method: Regular, Audit

The Community Planning Studio is a "capstone" course intended to provid students with an opportunity to apply their knowledge and skills to analyze current, pressing planning issues, in a selected community and to produce a report containing recommendations for addressing those issues. In essence, students act as a consulting team for a community client.

Contact department for information to register for this course.

URSP709 **Field Instruction**

Credits: 3 Grading Method: Regular, Audit

Students will satisfy a 300-hour internship (20 hours for 15 weeks during the spring, 25 hours a week for 12 weeks during the summer). Suitable internships are approved by the Internship Coordinator or Instructor; they involve a significant amount of planning work (preferably in the student's are of interest) and provide an appropriate on-site supervisor. The Internship Coordinator will assist students in finding a suitable internship, but the ultimate responsibility rests with each student. Whether the internship is paid or not is a matter to be worked out between the student and the organization.

0101	James Cohen	Seats (Total: 20)
	Meets June 1, 2015 - July 12, 2015	
	Contact instructor or department for details.	
	Contact instructor or department for details.	

URSP788 **Independent Study in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

URSP798 **Readings in Urban Studies and Planning**

(Perm req)

Credits: 1-3 Grading Method: Regular

Directed readings in selected aspects of urban affairs and planning.

Contact department for information to register for this course.

URSP799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

URSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Selected topics in Urban Studies and Planning. Topics will vary with the instructor.

Contact department for information to register for this course.

URSP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

This course is a required course for the Ph.D program in Urban and Regional Planning and Design.

Contact department for information to register for this course.

USLT Latina/o Studies Summer 2015

USLT498N **US Latina/o Studies: Special Topics; Perspectives on Popular Culture: From Chiquita to Cholas, Latin Lovers to Lowriders:Fashioning Latinidad in the U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Specific content to be announced when courses are offered.

WB11	Ellen Griff	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

USLT498O **US Latina/o Studies: Special Topics; Violence, Prisons, and Immigration in the 21st Century U.S.**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Specific content to be announced when courses are offered.

Also offered as AMST328Z and IMMR319C. Credit will be granted for AMST 328Z, IMMR319C or USLT498O.

WB21	Cristina Perez	Seats (Total: 30)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

WMST Women's Studies Summer 2015

WMST250 **Introduction to Women's Studies: Women, Art and Culture**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HA, D	General Education: DSHU, DVUP

An examination of women's creative powers as expressed in selected examples of music, film, art, drama, poetry, fiction, and other literature. Explores women's creativity in relation to families, religion, education, ethnicity, class, sexuality, and within a cultural tradition shaped by women.

WB11	Renina Jarmon	Seats (Total: 30)
	Meets June 1, 2015 - July 12, 2015	
	Class time/details on ELMs	ONLINE

WMST255 **Reading Women Writing**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: HL, D	General Education: DSHU, DVUP

Also offered as: ENGL250. Credit only granted for: WMST255 or ENGL250.

Explores literary and cultural expressions by women and their receptions within a range of historical periods and genres. Topics such as what does a woman need in order to write, what role does gender play in the production, consumption, and interpretation of texts, and to what extent do women comprise a distinct literary subculture. Interpretation of texts will be guided by feminist and gender theory, ways of reading that have emerged as important to literary studies over the last four decades.

Also offered as ENGL250.

WB21	John Macintosh	Seats (Total: 25)
	Meets July 13, 2015 - August 23, 2015	
	Class time/details on ELMs	ONLINE

WMST269A **Special Topics in Study Abroad II; Women and Addiction**

Credits: 1	Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269C **Special Topics in Study Abroad II; Modern Chinese Culture: Women's Studies**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269F **Special Topics in Study Abroad II; Women in Spanish Film**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST269M **Special Topics in Study Abroad II; Mexican Society: History and Gender Issues**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST298D **Women's Bodies in Contention**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA, D General Education: DSHS, DVUP, SCIS

WB31	Cristina Perez	Seats (Total: 30)
	Meets June 1, 2015 - June 19, 2015	
	Class time/details on ELMs	ONLINE

WMST369G **Special Topics in Study Abroad III; Gender and Post Socialist Transformation in Central Europe**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST369K **Special Topics in Study Abroad III; Spanish Gender Studies**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST386 **Experiential Learning**

(Perm req)

Credits: 1-6

Grading Method: Regular, Pass-Fail

Restriction: Must have Learning Proposal approved by Women's Studies Academic Advisor; and junior standing or higher.

0101	Elsa Barkley Brown **Meets June 1, 2015 - July 12, 2015** Contact instructor or department for details.	Seats (Total: 10)
0201	Elsa Barkley Brown **Meets July 13, 2015 - August 23, 2015** Contact instructor or department for details.	Seats (Total: 1)

WMST400 **Theories of Feminism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course in WMST; or must have completed a course cross-listed with a WMST course.

A study of the multiplicity of feminist theories which have been developed to explain women's position in the family, the workplace, and society. Major feminist writings are considered in the context of their historical moment and in the context of the intellectual traditions to which they relate.

WB11	Julie Enszer **Meets June 1, 2015 - July 12, 2015** Class time/details on ELMs	Seats (Total: 30) ONLINE

WMST469E **Study Abroad Special Topics IV; European Women from Past to Present**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST469M **Study Abroad Special Topics IV; Sociology, Gender and Indigenous Beliefs in Mexican Cultures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST498M **Advanced Special Topics in Women's Studies; Women and the Civil Rights Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as AASP498I and HIST360.

WB51	Elsa Barkley Brown	Seats (Total: 40)
	Meets June 22, 2015 - July 10, 2015	
	Class time/details on ELMs	ONLINE
	Students who wish to register for this section after June 5, 2015, please email summer@umd.edu.	

WMST499 **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Research and writing or specific readings on a topic selected by the student and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST699 **Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Research and writing on specific readings on a topic selected by the student which is approved and supervised by a faculty member of the Women's Studies Department.

Contact department for information to register for this course.

WMST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

Contact department for information to register for this course.